

Contents of Volume 265

American Journal of Physiology

**American Journal of Physiology:
Cell Physiology**

**American Journal of Physiology:
Endocrinology and Metabolism**

**American Journal of Physiology:
Gastrointestinal and Liver Physiology**

**American Journal of Physiology:
Lung Cellular and Molecular Physiology**

**American Journal of Physiology:
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Regulatory, Integrative and Comparative Physiology**

**American Journal of Physiology:
Renal, Fluid and Electrolyte Physiology**

Advances in Physiology Education

American Journal of Physiology: Cell Physiology

No. 1. JULY 1993

Now what?

D. J. Benos

C1

INVITED REVIEW

Proton conductance of the plasma membrane: properties, regulation, and functional role

G. L. Lukacs, A. Kapus, A. Nanda, R. Romanek, and S. Grinstein

C3

Effects of angiotensin-converting enzyme inhibition on mitochondrial number in the aging mouse

L. Ferder, F. Inerra, L. Romano, L. Ercole, and V. Pszenny

C15

Multiple modulation of Na-dependent P_i uptake by cellular Ca in MDCK cells

B. Escoubet, M.-C. Garestier, C. Le Grimellec, and C. Amiel

C19

Distinct pathways to refill ACh-sensitive internal Ca^{2+} stores in canine airway smooth muscle

J. P. Bourreau, C. Y. Kwan, and E. E. Daniel

C28

Ezrin-calpain I interactions in gastric parietal cells

X. Yao, A. Thibodeau, and J. G. Forte

C36

Stimulation of the slow calcium current in bullfrog skeletal muscle fibers by cAMP and cGMP

T. G. Kokate, J. A. Heiny, and N. Sperelakis

C47

Na^+ -dependent sulfate transport in opossum kidney cells is DIDS sensitive

H. S. Tenenhouse and J. Martel

C54

α -, β -MHC mRNA quantification in adult cardiomyocytes by in situ hybridization: effect of thyroid hormone

I. Dubus, A. Mercadier, O. Lucas, F. Contard, O. Nallet, P. Oliviero, L. Rappaport, and J.-L. Samuel

C62

Nonselective cation and Cl channels in luminal membrane of the marginal cell

H. Sunose, K. Ikeda, Y. Saito, A. Nishiyama, and T. Takasaka

C72

Iix and slow myosin expression follow mitochondrial increases in transforming muscle fibers

J. Jacobs-El, W. Ashley, and B. Russell

C79

Regulation by phosphorylation of purified epithelial Na^+ channels in planar lipid bilayers

Y. Oh, P. R. Smith, A. L. Bradford, D. Keeton, and D. J. Benos

C85

Effects of atrial natriuretic peptide and cGMP on uptake of IgG complexes by macrophages

J. Mattana and P. C. Singhal

C92

Differentiation of Na^+ - K^+ pumps of low- K^+ sheep red blood cells is promoted by L_p membrane antigens

Z.-C. Xu, P. B. Dunham, B. Dyer, and R. Blostein

C99

ANP receptors in neurons and astrocytes from spontaneously hypertensive rat brain

W. Tang, W. R. Paulding, and C. Summers

C106

Transduction of arginine vasopressin signal in skeletal myogenic cells

A. Teti, F. Naro, M. Molinaro, and S. Adamo

C113

Expression of hepatocyte growth factor in growing and regenerating rat skeletal muscle

E. Jennische, S. Ekberg, and G. L. Matejka

C122

Intracellular pH and Ca^{2+} homeostasis in the pH paradox of reperfusion injury to neonatal rat cardiac myocytes

J. M. Bond, E. Chacon, B. Herman, and J. J. Lemasters

C129

Human orbital fibroblasts in culture bind and respond to endothelin

T. J. Smith, R. J. Kottke, H. Lum, and T. T. Andersen

C138

Cell volume regulation in human neutrophils: 2-(aminomethyl)phenols as Cl ⁻ channel inhibitors <i>L. Simchowicz, J. A. Textor, and E. J. Cragoe, Jr.</i>	C143
Whole cell Cl ⁻ currents in human neutrophils induced by cell swelling <i>J. S. Stoddard, J. H. Steinbach, and L. Simchowicz</i>	C156
Effect of the thiol-oxidizing agent diamide on NH ₄ Cl-induced rat colonic electrolyte secretion <i>H. Tamai, J. F. Kachur, M. B. Grisham, M. W. Musch, E. B. Chang, and T. S. Gaginella</i>	C166
Comparison of Na ⁺ currents from type IIa and IIb human intercostal muscle fibers <i>R. L. Ruff and D. Whittlesey</i>	C171
Microprobe analysis of Tc-MIBI in heart cells: calculation of mitochondrial membrane potential <i>M. Backus, D. Piwnica-Worms, D. Hockett, J. Kronauge, M. Lieberman, P. Ingram, and A. LeFurgey</i>	C178
Downregulation of endothelin receptors by autocrine production of endothelin-1 <i>M. Clozel, B.-M. Löffler, V. Breu, L. Hilfiger, J.-P. Maire, and B. Butscha</i>	C188
Expression of 5-HT _{1C} receptors in transfected MDCK cells is functionally and anatomically asymmetric <i>H. Luo, A. Tesfaye, I. Schieren, and H. S. Chase, Jr.</i>	C193
Regulation of human neutrophil degranulation by LY-83583 and L-arginine: role of cGMP-dependent protein kinase <i>T. A. Wyatt, T. M. Lincoln, and K. B. Pryzwansky</i>	C201
ASC system activity is altered by development of cell polarity in trophoblast from human placenta <i>T. C. Furesz, C. H. Smith, and A. J. Moe</i>	C212
Vasopressin and protein kinase A activate G protein-sensitive epithelial Na ⁺ channels <i>A. G. Prat, D. A. Ausiello, and H. F. Cantiello</i>	C218
Activation of epithelial Na ⁺ channels by protein kinase A requires actin filaments <i>A. G. Prat, A. M. Bertorello, D. A. Ausiello, and H. F. Cantiello</i>	C224
Differentiation-dependent expression of carbonic anhydrase II and III in 3T3 adipocytes <i>C. J. Lynch, S. A. Hazen, R. L. Horetsky, N. D. Carter, and S. J. Dodgson</i>	C234
Mechanism and regulation of swelling-activated inositol efflux in brain glial cells <i>K. Strange, R. Morrison, L. Shrode, and R. Putnam</i>	C244
Insulin-induced membrane changes in K ⁺ -depleted rat skeletal muscle <i>E. F. Bond and A. M. Gordon</i>	C257
Conditionally immortalized intestinal epithelial cells: novel approach for study of differentiated enterocytes <i>E. C. A. Paul, J. Hochman, and A. Quaroni</i>	C266

MODELING IN PHYSIOLOGY

A model of stress relaxation in cross-bridge systems: effect of a series elastic element <i>Y. Luo, R. Cooke, and E. Pate</i>	C279
--	------

SPECIAL COMMUNICATION

Improved in vitro rheological system for studying the effect of fluid shear stress on cultured cells <i>H.-J. Schnittler, R. P. Franke, U. Akbay, C. Mrowietz, and D. Drenckhahn</i>	C289
---	------

RAPID COMMUNICATION

cGMP-dependent protein kinase activates Ca-activated K channels in cerebral artery smooth muscle cells <i>B. E. Robertson, R. Schubert, J. Hescheler, and M. T. Nelson</i>	C299
---	------

INVITED REVIEW

- Regulation of renin processing and secretion: chemiosmotic control and novel secretory pathway
J. A. King, D. J. Lush, and J. C. S. Fray C305
-
- Kinetics of calcium transport across the lymphocyte plasma membrane
M. Balasubramanyam, M. Kimura, A. Aviv, and J. P. Gardner C321
- Change in K⁺ current of HeLa cells with progression of the cell cycle studied by patch-clamp technique
A. Takahashi, H. Yamaguchi, and H. Miyamoto C328
- Disopyramide blocks pancreatic ATP-sensitive K⁺ channels and enhances insulin release
S. Hayashi, M. Horie, Y. Tsubura, H. Ishida, Y. Okada, Y. Seino, and S. Sasayama C337
- Phosphorylation-dependent regulation of nonselective cation channels in guinea pig chromaffin cells
M. Inoue and I. Imanaga C343
- Endothelin increases [Ca²⁺]_i in M-1 mouse cortical collecting duct cells by a dual mechanism
C. Korbmayer, E. L. Boulpaep, G. Giebisch, and J. Geibel C349
- B-cell size influences glucose-stimulated insulin secretion
E. Giordano, V. Cirulli, D. Bosco, D. Rouiller, P. Halban, and P. Meda C358
- Evaluation of antitumor effect of tumor necrosis factor in terms of protein metabolism and cell cycle kinetics
J. M. Wan, F. Fogt, B. R. Bistrian, and N. W. Istfan C365
- Perinatal enhancement of cardiac myofibrillar creatine kinase activity without change in enzyme K_m
R. T. Dowell and M. C. Fu C375
- Polylysine activates smooth muscle myosin ATPase activity via induction of a 10S to 6S transition
P. T. Szymanski, D. G. Ferguson, and R. J. Paul C379
- Hyperosmotic stress stimulates tissue plasminogen activator expression by a PKC-independent pathway
E. G. Levin, L. Santell, and F. Saljoque C387
- A myogenic regulatory gene, *qmf1*, is expressed by adult myonuclei after injury
Z. A. Eppley, J. Kim, and B. Russell C397
- PKC-mediated redistribution of mitogen-activated protein kinase during smooth muscle cell activation
R. A. Khalil and K. G. Morgan C406
- Mechanism of diltiazem's immunomodulatory effects after hemorrhage and resuscitation
D. R. Meldrum, A. Ayala, and I. H. Chaudry C412
- Lovastatin inhibits cAMP- and calcium-stimulated chloride secretion by T84 cells
T. W. Eacy and J. D. Valentich C422
- Interrelationship between cell pH and cell calcium in rat inner medullary collecting duct cells
I. Slotki, J. H. Schwartz, and E. A. Alexander C432
- Albumin and Ricinus communis agglutinin decrease endothelial permeability via interactions with matrix
R. Qiao, A. Siflinger-Birnboim, H. Lum, C. Tirupathi, and A. B. Malik C439
- Urea alters set point volume for K-Cl cotransport, Na-H exchange, and Ca-Na exchange in dog red blood cells
J. C. Parker C447
- Insulin uptake and processing by cultured mouse glomerular endothelial cells
R. Rabkin, T. Tsao, S. J. Elliot, L. J. Striker, and G. E. Striker C453

Transtrophoblast and microvillus membrane potential difference in mature intermediate human placental villi <i>S. L. Greenwood, R. D. H. Boyd, and C. P. Sibley</i>	C460
Contraction history modulates isotonic shortening velocity in smooth muscle <i>S. J. Gunst, M.-F. Wu, and D. D. Smith</i>	C467
Bradykinin inhibition of EGF- and PDGF-induced DNA synthesis in human fibroblasts <i>B. S. McAllister, F. Leeb-Lundberg, and M. S. Olson</i>	C477
Absence of endonuclease activation during acute cell death in renal proximal tubules <i>R. G. Schnellmann, A. R. Swagler, and M. M. Compton</i>	C485
Expression of the epithelial Na ⁺ channel in the developing rat lung <i>H. O'Brodovich, C. Canessa, J. Ueda, B. Rafii, B. C. Rossier, and J. Edelson</i>	C491
Computer modeling of the oxygen supply and demand of cells of the avian growth cartilage <i>J. C. Haselgrove, I. M. Shapiro, and S. F. Silverton</i>	C497
Sarcoplasmic reticulum Ca ²⁺ -ATPase and ryanodine receptor in cold-acclimated ducklings and thermogenesis <i>E. Dumonteil, H. Barré, and G. Meissner</i>	C507
Functional expression of cAMP-dependent and independent urea transporters in <i>Xenopus</i> oocytes <i>H. Hasegawa and A. S. Verkman</i>	C514
WW-781, a potent reversible inhibitor of red cell Cl ⁻ flux, binds to band 3 by a two-step mechanism <i>N. M. Raha, L. J. Spinelli, and P. A. Knauf</i>	C521
Twitch-dependent SR Ca accumulation and release in rabbit ventricular myocytes <i>J. W. M. Bassani, R. A. Bassani, and D. M. Bers</i>	C533
Effects of a <i>Shaker</i> K ⁺ channel peptide and trypsin on a K ⁺ channel in <i>Necturus</i> enterocytes <i>O. Mayorga-Wark, J. Costantin, W. P. Dubinsky, and S. G. Schultz</i>	C541
Immunoisolation of a K ⁺ channel from basolateral membranes of <i>Necturus</i> enterocytes <i>W. P. Dubinsky, O. Mayorga-Wark, L. T. Garretson, and S. G. Schultz</i>	C548
Further characterization of the Na-Ca exchange-dependent Ca compartment in rat ventricular cells <i>G. A. Langer and T. L. Rich</i>	C556

SPECIAL COMMUNICATION

Laser light-scattering system for studying cell volume regulation and membrane transport processes <i>M. McManus, J. Fischbarg, A. Sun, S. Hebert, and K. Strange</i>	C562
--	------

RAPID COMMUNICATION

Adult human aortic smooth muscle cells in culture produce active TGF- β <i>H. L. Kirschenlohr, J. C. Metcalfe, P. L. Weissberg, and D. J. Grainger</i>	C571
---	------

No. 3. SEPTEMBER 1993

INVITED REVIEW

Signal transduction via P ₂ -purinergic receptors for extracellular ATP and other nucleotides <i>G. R. Dubyak and C. El-Moatassim</i>	C577
---	------

Angiotensin II type 2 receptor-modulated changes in potassium currents in cultured neurons <i>J. Kang, C. Sumners, and P. Posner</i>	C607
---	------

Changes in calcium channel current densities in rat colonic smooth muscle cells during development and aging <i>Z. Xiong, N. Sperelakis, A. Noffsinger, and C. Fenoglio-Preiser</i>	C617
Physiological programmed cell death in thymocytes is induced by physical stress (exercise) <i>J.-P. Concordet and A. Ferry</i>	C626
Culture-induced alterations in alveolar type II cell Na ⁺ conductance <i>G. Yue, P. Hu, Y. Oh, T. Jilling, R. L. Shoemaker, D. J. Benos, E. J. Cragoe, Jr., and S. Matalon</i>	C630
Cl ⁻ secretion by cultured shark rectal gland cells. III. Ca ²⁺ regulation of apical membrane Cl ⁻ conductance <i>W. M. Moran and J. D. Valentich</i>	C641
Uptake and caffeine-induced release of calcium in fast muscle fibers of <i>Xenopus laevis</i> : effects of MgATP and P _i <i>G. J. M. Stienen, I. A. van Graas, and G. Elzinga</i>	C650
Muscarinic stimulation of tracheal smooth muscle cells activates large-conductance Ca ²⁺ -dependent K ⁺ channel <i>G. R. Wade and S. M. Sims</i>	C658
Pharmacological characterization of muscarinic receptors in neonatal rat cardiomyocytes <i>C. M. Yang, F.-F. Chen, T.-C. Sung, H.-F. Hsu, and D. Wu</i>	C666
Ca-dependent action of cocaine on K current in freshly dissociated dorsal root ganglia from rats <i>J. Grossie</i>	C674
Thyroid hormone specifically regulates skeletal muscle Na ⁺ -K ⁺ -ATPase α_2 - and β_2 -isoforms <i>K. K. Azuma, C. B. Hensley, M.-J. Tang, and A. A. McDonough</i>	C680
Glycosylation status of endogenous CFTR does not affect cAMP-stimulated Cl ⁻ secretion in epithelial cells <i>A. P. Morris, S. A. Cunningham, D. J. Benos, and R. A. Frizzell</i>	C688
Cross-bridge kinetics during shortening in early and sustained contraction of intestinal smooth muscle <i>P. Hellstrand and I. Nordström</i>	C695
Disulfide-linked aggregation of thyroglobulin normally occurs during nascent protein folding <i>P. S. Kim, K.-R. Kim, and P. Arvan</i>	C704
Alterations in mitochondrial RNA expression after renal ischemia <i>C. M. Van Itallie, S. Van Why, G. Thulin, M. Kashgarian, and N. J. Siegel</i>	C712
Membrane potential oscillation from a novel combination of ion channels <i>J. W. Stelling and T. J. C. Jacob</i>	C720
Nitric oxide synthesis is impaired in glutathione-depleted human umbilical vein endothelial cells <i>D. Ghigo, P. Alessio, A. Foco, F. Bussolino, C. Costamagna, R. Heller, G. Garbarino, G. P. Pescarmona, and A. Bosia</i>	C728
Structural changes in the apical membrane of lamprey chloride cells after acclimation to seawater <i>H. Bartels, H. Schewe, and I. C. Potter</i>	C733
Sphingolipids as mediators of effects of platelet-derived growth factor in vascular smooth muscle cells <i>L. S. Jacobs and M. Kester</i>	C740
Mapping of the cardiac sodium-calcium exchanger with monoclonal antibodies <i>H. Porzig, Z. Li, D. A. Nicoll, and K. D. Philipson</i>	C748
Vasopressin depolymerizes apical F-actin in rat inner medullary collecting duct <i>H. Simon, Y. Gao, N. Franki, and R. M. Hays</i>	C757
Swelling-activated K fluxes in vascular endothelial cells: volume regulation via K-Cl cotransport and K channels <i>P. B. Perry and W. C. O'Neill</i>	C763

Endothelial cell phospholipid distribution and phospholipase activity during acute and chronic hypoxia <i>A. V. Tretyakow and H. W. Farber</i>	C770
Histamine stimulates a biphasic calcium response in the human tracheal epithelial cell line CF/T43 <i>R. A. Harris and J. W. Hanrahan</i>	C781
Effects of repeated eccentric contractions on structure and mechanical properties of toad sartorius muscle <i>S. A. Wood, D. L. Morgan, and U. Proske</i>	C792
Autocrine control of wound repair by insulin-like growth factor I in cultured endothelial cells <i>W. R. Taylor and R. W. Alexander</i>	C801
Thrombin-induced mitogenesis of vascular SMC is partially mediated by autocrine production of PDGF-AA <i>G. A. Stouffer, I. J. Sarembock, C. A. McNamara, L. W. Gimple, and G. K. Owens</i>	C806
ATP-sensitive K ⁺ channels in rat aorta and brain microvascular endothelial cells <i>D. Janigro, G. A. West, E. L. Gordon, and H. R. Winn</i>	C812
Fate of antidiuretic hormone water channel proteins after retrieval from apical membrane <i>M. L. Zeidel, T. G. Hammond, J. B. Wade, J. Tucker, and H. W. Harris</i>	C822
Adaptations in myosin heavy chain expression and contractile function in dystrophic mouse diaphragm <i>B. J. Petrof, H. H. Stedman, J. B. Shrager, J. Eby, H. L. Sweeney, and A. M. Kelly</i>	C834
Single fiber analyses of type IIA myosin heavy chain distribution in hyper- and hypothyroid soleus <i>V. J. Caiozzo, S. Swoap, M. Tao, D. Menzel, and K. M. Baldwin</i>	C842
Imaging of reconstituted biological channels at molecular resolution by atomic force microscopy <i>R. Lal, H. Kim, R. M. Garavito, and M. F. Arnsdorf</i>	C851

ANNOUNCEMENTS

C857

No. 4. OCTOBER 1993

INVITED REVIEW

Positive and negative regulation of chloride secretion in T84 cells <i>K. E. Barrett</i>	C859
Receptor-activated currents in mouse fibroblasts expressing transfected bombesin receptor subtype cDNAs <i>K. Kusano, H. Gainer, J. F. Battey, Z. Fathi, and E. Wada</i>	C869
Emptying and refilling of Ca ²⁺ store in tracheal myocytes as indicated by ACh-evoked currents and contraction <i>L. J. Janssen and S. M. Sims</i>	C877
Surplus Na ⁺ pumps: how low-K ⁺ -incubated LLC-PK ₁ cells respond to K ⁺ restoration <i>L. Lescale-Matys, D. S. Putnam, and A. A. McDonough</i>	C887
Zn(II) transport and distribution in rat spermatids <i>J. G. Reyes, M. P. Arrate, M. Santander, L. Guzman, and D. J. Benos</i>	C893
Acidification of rat liver lysosomes: quantitation and comparison with endosomes <i>R. W. Van Dyke</i>	C901
Structural determinants of substrate specificity of the erythrocyte anion transporter <i>W. L. Galanter, M. Hakimian, and R. J. Labotka</i>	C918
Metabolism of a long-chain diacylglycerol by permeabilized A10 smooth muscle cells <i>M. Chuang, M. W. Lee, D. Zhao, and D. L. Severson</i>	C927

Adenosine A ₁ receptors and erythropoietin production <i>T. Ohgashi, J. Brookins, and J. W. Fisher</i>	C934
AVP-induced activation of MAP kinase in vascular smooth muscle cells is mediated through protein kinase C <i>A. Kribben, E. D. Wieder, X. Li, V. van Putten, Y. Granot, R. W. Schrier, and R. A. Nemenoff</i>	C939
G protein-mediated inhibition of inwardly rectifying K ⁺ channels in guinea pig chromaffin cells <i>M. Inoue and I. Imanaga</i>	C946
ATP-inhibitable Cl ⁻ channel in apical membranes of cultured rabbit cortical collecting duct cells <i>K. R. Superdock, D. J. Snyders, and M. D. Breyer</i>	C957
Intracellular Ca ²⁺ signaling induced by vasopressin, ATP, and epidermal growth factor in epithelial LLC-PK ₁ cells <i>B. Himpen, H. De Smedt, and R. Casteels</i>	C966
Calcium-activated K ⁺ channels as modulators of human myometrial contractile activity <i>K. Anwer, C. Oberti, G. J. Perez, N. Perez-Reyes, J. K. McDougall, M. Monga, B. M. Sanborn, E. Stefani, and L. Toro</i>	C976
Fluid-phase endocytosis by in situ cardiac myocytes of rat atria <i>E. Page, J. Upshaw-Earley, G. E. Goings, and D. A. Hanck</i>	C986
Characterization of a swelling-induced chloride conductance in cultured rat epididymal cells <i>H. C. Chan, W. O. Fu, Y. W. Chung, S. J. Huang, T. S. Zhou, and P. Y. D. Wong</i>	C997
Characterization of amino acid transport in human endothelial cells <i>O. Bussolati, R. Sala, A. Astorri, B. M. Rotoli, V. Dall'Asta, and G. C. Gazzola</i>	C1006
Vacuolar-type H ⁺ -ATPases are functionally expressed in plasma membranes of human tumor cells <i>R. Martínez-Zaguilán, R. M. Lynch, G. M. Martínez, and R. J. Gillies</i>	C1015
Temporal patterns of α_1 -receptor stimulation regulate amplitude and frequency of calcium transients <i>C. Schöfl, G. Brabant, R.-D. Hesch, A. von zur Mühlen, P. H. Cobbold, and K. S. R. Cuthbertson</i>	C1030
Chloride current activated by swelling in retinal pigment epithelium cells <i>L. M. Botchkina and G. Matthews</i>	C1037
Angiotensin II type 1 receptor-mediated stimulation of c-fos gene expression in astroglial cultures <i>M. K. Raizada, B. Rydzewski, D. Lu, and C. Sumners</i>	C1046
Sodium-permeable channels in the apical membrane of human nasal epithelial cells <i>T. C. Chinet, J. M. Fullton, J. R. Yankaskas, R. C. Boucher, and M. J. Stutts</i>	C1050
Biphasic effects of carbachol on stimulated cAMP accumulation in mouse parotid acini <i>E. L. Watson, K. L. Jacobson, D. H. DiJulio, and F. J. Dowd</i>	C1061
Nonpolarized surface distribution and delivery of human CD7 in polarized MDCK cells <i>C. Haller and S. L. Alper</i>	C1069
A putative H ⁺ -K ⁺ -ATPase is selectively expressed in surface epithelial cells of rat distal colon <i>F. Jaisser, N. Coutry, N. Farman, H. J. Binder, and B. C. Rossier</i>	C1080
Cell volume analysis of gramicidin-treated eccrine clear cells to study regulation of Cl channels <i>M. Ohtsuyama, Y. Suzuki, G. Samman, F. Sato, and K. Sato</i>	C1090
Angiotensin-mediated phosphatidylcholine hydrolysis and protein kinase C activation in mesangial cells <i>R. L. Barnett, L. Ruffini, L. Ramsammy, R. Pasmantier, M. M. Friedlaender, and E. P. Nord</i>	C1100
Phorbol ester sequentially downregulates cAMP-regulated basolateral and apical Cl ⁻ transport pathways in T84 cells <i>J. B. Matthews, C. S. Awtrey, G. Hecht, K. J. Tally, R. S. Thompson, and J. L. Madara</i>	C1109

α -Chymotrypsin deregulation of the sodium-calcium exchanger in barnacle muscle cells <i>R. Espinosa-Tanguma, J. DeSantiago, and H. Rasgado-Flores</i>	C1118
External Ca effect on water permeability, regulatory volume decrease, and extracellular space in barnacle muscle cells <i>D. M. Berman, C. Peña-Rasgado, M. Holmgren, P. Hawkins, and H. Rasgado-Flores</i>	C1128
Spatial changes of $[Ca^{2+}]_i$ and contraction caused by phorbol esters in vascular smooth muscle cells <i>S. Nakajima, M. Fujimoto, and M. Ueda</i>	C1138
Effects of adenosine antagonists on hexose uptake and preconditioning in perfused rat heart <i>E. Murphy, T. A. Fralix, R. E. London, and C. Steenbergen</i>	C1146
Glycosylphosphatidylinositol-specific phospholipase D is localized in keratinocytes <i>M. Xie, A. M. Sesko, and M. G. Low</i>	C1156
Mutation of a conserved proline residue in the β -subunit ectodomain prevents Na^+ - K^+ -ATPase oligomerization <i>K. Geering, P. Jaunin, F. Jaisser, A.-M. Méritat, J.-D. Horisberger, P. M. Mathews, V. Lemas, D. M. Fambrough, and B. C. Rossier</i>	C1169

SPECIAL COMMUNICATIONS

Amiloride-sensitive sodium conductance in human B lymphoid cells <i>J. K. Bubien and D. G. Warnock</i>	C1175
Simultaneous imaging of intracellular $[Ca^{2+}]$ and pH in single MDCK and glomerular epithelial cells <i>T. B. Wiegmann, L. W. Welling, D. M. Beatty, D. E. Howard, S. Vamos, and S. J. Morris</i>	C1184

No. 5. NOVEMBER 1993

INVITED REVIEW

In defense of cell volume? <i>J. C. Parker</i>	C1191
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Effect of osmotic swelling and shrinkage on Na^+ - K^+ pump activity in mammalian cardiac myocytes <i>D. W. Whalley, L. C. Hool, R. E. Ten Eick, and H. H. Rasmussen</i>	C1201
Effect of morphine on mesangial immunoglobulin G aggregate kinetics <i>P. C. Singhal, C. Q. Pan, N. Gibbons, and E. Valderrama</i>	C1211
Possible specific activation of RNA synthesis in PC-12 cell isolated nuclei by small acidic peptides <i>E. Castigli, L. Mancinelli, M. A. Mariggio', and G. L. Gianfranceschi</i>	C1220
Induction of GLUT1 mRNA in response to inhibition of oxidative phosphorylation <i>M. Shetty, N. Ismail-Beigi, J. N. Loeb, and F. Ismail-Beigi</i>	C1224
Influence of cloned voltage-gated K^+ channel expression on alanine transport, Rb^+ uptake, and cell volume <i>A. Felipe, D. J. Snyders, K. K. Deal, and M. M. Tamkun</i>	C1230
Ca^{2+} influx via T-type channels modulates PDGF-induced replication of mouse fibroblasts <i>Z. Wang, M. Estacion, and L. J. Mordan</i>	C1239
cAMP and protein synthesis in isolated adult rat heart preparations <i>M. A. Bogoyevitch, S. J. Fuller, and P. H. Sugden</i>	C1247
Voltage-dependent kinetics of Na-Ca exchange current in Ca^{2+} -loaded guinea pig heart cells <i>K. Benndorf, C. Biskup, and M. Friedrich</i>	C1258

Microelectrode measurements of pericellular PO ₂ in erythropoietin-producing human hepatoma cell cultures <i>M. Wolff, J. Fandrey, and W. Jelkmann</i>	C1266
Calcium-mediated agonists activate an inwardly rectified K ⁺ channel in colonic secretory cells <i>D. C. Devor and R. A. Frizzell</i>	C1271
Hormone-induced rise in cytosolic Ca ²⁺ in axolotl hepatocytes: extracellular origin and control by cAMP <i>J. W. Kleineke and P. A. Janssens</i>	C1281
Immediate cell signal by bone-related peptides in human osteoclast-like cells <i>R. Panicia, S. Colucci, M. Grano, M. Serra, A. Z. Zallone, and A. Teti</i>	C1289
Cell-specific regulation of cytosolic aspartate aminotransferase by glucocorticoids in the rat kidney <i>S. Feilleux-Duché, M. Garlatti, M. Aggerbeck, M. Poyard, J. Bouguet, J. Hanoune, and R. Barouki</i>	C1298
Stretch-activated channels in airway epithelial cells <i>Y.-K. Kim, E. R. Dirksen, and M. J. Sanderson</i>	C1306
Inhibition of myosin light chain phosphatase during Ca ²⁺ -independent vasoconstriction <i>H. Itoh, A. Shimomura, S. Okubo, K. Ichikawa, M. Ito, T. Konishi, and T. Nakano</i>	C1319
Time-dependent increase in Ca ²⁺ influx in rabbit abdominal aorta: role of Na-Ca exchange <i>M. A. Khoyi, R. A. Bjur, and D. P. Westfall</i>	C1325
pH heterogeneity during exercise in localized spectra from single human muscles <i>K. Vandenborne, G. Walter, J. S. Leigh, and G. Goelman</i>	C1332
Physiological desensitization of β_3 -adrenergic responses in brown fat cells: involvement of a postreceptor process <i>L. Unelius, G. Bronnikov, N. Mohell, and J. Nedergaard</i>	C1340
Cultured bovine corneal endothelial cells express CHIP28 water channels <i>M. Echevarria, K. Kuang, P. Iserovich, J. Li, G. M. Preston, P. Agre, and J. Fischbarg</i>	C1349
β -Adrenergic stimulation and cAMP mobilize Ca ²⁺ from an IP ₃ -insensitive pool in rat submandibular granular ducts <i>J. P. Dehaye, I. H. Valdez, and R. J. Turner</i>	C1356
Inward rectifier K ⁺ currents in smooth muscle cells from rat resistance-sized cerebral arteries <i>J. M. Quayle, J. G. McCarron, J. E. Brayden, and M. T. Nelson</i>	C1363
Characterization and confocal imaging of calponin in gastrointestinal smooth muscle <i>M. P. Walsh, J. D. Carmichael, and G. J. Kargacin</i>	C1371
Characterization and localization of endothelial nitric oxide synthase using specific monoclonal antibodies <i>J. S. Pollock, M. Nakane, L. D. K. Buttery, A. Martinez, D. Springall, J. M. Polak, U. Förstermann, and F. Murad</i>	C1379
γ -Linolenic acid suppression of hepatic Ito cell mitogenesis: post-PDGF receptor prostaglandin-independent mechanism <i>D. W. A. Beno, J. A. Awad, and B. H. Davis</i>	C1388
Neutrophil-activating intercrine secreted by porcine platelets is active without proteolytic processing <i>Z. Yan, J. C. Holt, G. J. Stewart, and S. Niewiarowski</i>	C1396
Secretagogue-induced RVD in HSY cells is due to K ⁺ channels activated by Ca ²⁺ and protein kinase C <i>A. Moran and R. J. Turner</i>	C1405

SPECIAL COMMUNICATIONS

Determination of volume and water permeability of plated cells from measurements of light scattering <i>J. Fischbarg, J. Li, K. Kuang, M. Echevarria, and P. Iserovich</i>	C1412
---	-------

A computer-based servo system for controlling isotonic contractions of muscle <i>J. P. Smith and R. J. Barsotti</i>	C1424
Characterization of the properties of canine colonic smooth muscle in culture <i>M. J. Rogers, S. M. Ward, M. A. Horner, K. M. Sanders, and B. Horowitz</i>	C1433

RAPID COMMUNICATION

Nanomolar ouabain augments caffeine-evoked contractions in rat arteries <i>D. N. Weiss, D. J. Podberesky, J. Heidrich, and M. P. Blaustein</i>	C1443
---	-------

No. 6. DECEMBER 1993

INVITED REVIEW

Regulation of renal cell organic osmolyte transport by tonicity <i>J. S. Handler and H. M. Kwon</i>	C1449
--	-------

Threshold for force potentiation associated with skeletal myosin phosphorylation <i>R. Vandenboom, R. W. Grange, and M. E. Houston</i>	C1456
Role of nonselective cation current in muscarinic responses of canine colonic muscle <i>H. K. Lee, O. Bayguinov, and K. M. Sanders</i>	C1463
Extracellular ATP prevents the release of stored Ca^{2+} by autonomic agonists in rat submandibular gland acini <i>T. W. Hurley, D. D. Shoemaker, and M. P. Ryan</i>	C1472
Influence of filter supports on transport characteristics of cultured A6 kidney cells <i>O. Candia, A. J. Mia, and T. Yorio</i>	C1479
Volume-sensitive anion channels mediate swelling-activated inositol and taurine efflux <i>P. Jackson and K. Strange</i>	C1489
Control of intracellular calcium by membrane potential in human melanoma cells <i>B. Nilius, G. Schwarz, and G. Droogmans</i>	C1501
RNA subunit of mitochondrial RNA-processing enzyme is induced by contractile activity in striated muscle <i>G. A. Ordway, K. Li, G. A. Hand, and R. S. Williams</i>	C1511
Oleic acid differentially affects gap junction-mediated communication in heart and vascular smooth muscle cells <i>K. K. Hirschi, B. N. Minnich, L. K. Moore, and J. M. Burt</i>	C1517
Chemotaxis of newt eosinophils: calcium regulation of chemotactic response <i>R. A. Brundage, K. E. Fogarty, R. A. Tuft, and F. S. Fay</i>	C1527
Phosphocreatine protects transgenic mouse liver expressing creatine kinase from hypoxia and ischemia <i>K. Miller, J. Halow, and A. P. Koretsky</i>	C1544
Ionic basis of the action potential of guinea pig gallbladder smooth muscle cells <i>L. Zhang, A. D. Bonev, M. T. Nelson, and G. M. Mawe</i>	C1552
Characterization of the β -subunit of the H^{+} - K^{+} -ATPase using an inhibitory monoclonal antibody <i>D.-C. Chow and J. G. Forte</i>	C1562
Full-length and truncated Kv1.3 K^{+} channels are modulated by 5-HT _{1c} receptor activation and independently by PKC <i>J. Aiyar, S. Grissmer, and K. G. Chandy</i>	C1571
GRP-preferring bombesin receptors increase generation of inositol phosphates and tension in rat myometrium <i>F. Amiot, D. Leiber, S. Marc, and S. Harbon</i>	C1579
Association of the hepatic IP ₃ receptor with the plasma membrane: relevance to mode of action <i>L. Feng and N. Kraus-Friedmann</i>	C1588
Exercise induces a transient increase in transcription of the GLUT-4 gene in skeletal muscle <i>P. D. Neuffer and G. L. Dohm</i>	C1597

- Muscarinic stimulation of gallbladder epithelium I. Electrophysiology and signaling mechanisms
G. A. Altenberg, M. Subramanyam, J. S. Bergmann, K. M. Johnson, and L. Reuss C1604
- Muscarinic stimulation of gallbladder epithelium. II. Fluid transport, cell volume, and ion permeabilities
G. A. Altenberg, M. Subramanyam, and L. Reuss C1613
- Effects of ATP and bradykinin on endothelial cell Ca^{2+} homeostasis and formation of cGMP and prostacyclin
E. C. Gosink and E. J. Forsberg C1620
- Intracellular mechanism of Pb^{2+} -induced norepinephrine release from bovine chromaffin cells
J. L. Tomsig and J. B. Suszkiw C1630
- Modification of epithelial permeability by cationic polypeptides
C. J. Tzan, J. R. Berg, and S. A. Lewis C1637
- ATP dependence of K-Cl cotransport in dog red blood cells
G. C. Colclasure and J. C. Parker C1648
- Histamine H_2 receptor mediates keratan sulfate secretion in rabbit chondrocytes: role of cAMP
K. Fukuda, F. Matsumura, and S. Tanaka C1653
- Bombesin treatment enhances vasopressin receptors in Swiss 3T3 cells
M. M. Civan, J. Sinnott-Smith, M. Bouzyk, and E. Rozengurt C1658
- ATP- and UTP-induced currents in macrophages and macrophage polykaryons
C. Albuquerque, S. M. C. Oliveira, R. Coutinho-Silva, G. M. Oliveira-Castro, and P. M. Persechini C1663
- Specific decrease of mitochondrial thermogenic capacity in brown adipose tissue of obese SHR-N-cp rats
C. Atgié, A. Marette, M. Desautels, O. Tulp, and L. J. Bukowiecki C1674
- Ni^{2+} impairs thrombin-induced signal transduction by acting on the agonist and/or receptor in human platelets
F. J. Azula, R. Alonso, A. Marino, M. Trueba, and J. M. Macarulla C1681

SPECIAL COMMUNICATIONS

- Intracellular free Ca^{2+} and vasoconstriction determined simultaneously in the perfused rat tail artery
C. Capdeville-Atkinson, L. Oster, N. Thorin-Trescases, A. Robert, S. Boutinet, and J. Atkinson C1689
- Beat-to-beat measurements of $[\text{Ca}^{2+}]_i$ and force in ferret cardiac muscle after chemical loading of aequorin
F. Urthaler, A. A. Walker, R. C. Reeves, and L. L. Hefner C1703

RAPID COMMUNICATIONS

- Induction of multidrug resistance downregulates the expression of CFTR in colon epithelial cells
W. Breuer, I. N. Slotki, D. A. Ausiello, and I. Z. Cabantchik C1711
- Insulin increases the $\text{Na}^+\text{-K}^+\text{-ATPase } \alpha_2\text{-subunit}$ in the surface of rat skeletal muscle: morphological evidence
A. Marette, J. Krischer, L. Lavoie, C. Ackerley, J.-L. Carpentier, and A. Klip C1716
- Muscarinic inhibition of ATP-sensitive K^+ channels by protein kinase C in urinary bladder smooth muscle
A. D. Bonev and M. T. Nelson C1723
- Increased expression of $\text{G}_{12/13}$ in mouse embryo stem cells promotes terminal differentiation to adipocytes
H.-L. Su, C. C. Malbon, and H.-Y. Wang C1729

-
- Subject Index to Volume 34 C1737
Author Index to Volume 34 C1749

American Journal of Physiology: Endocrinology and Metabolism

No. 1. JULY 1993

Ca ²⁺ deficiency, selective α -glucosidase inhibition, and insulin secretion <i>A. Salehi and I. Lundquist</i>	E1
Four proteolytic processes of myocardium, one insensitive to thiol reactive agents and thiol protease inhibitor <i>D. P. Thorne and T. D. Lockwood</i>	E10
Plasma catecholamines do not respond to insulin-induced hypoglycemia in a teleost, <i>Anguilla rostrata</i> <i>I. Navarro and A. Eppe</i>	E20
NPY is not a primary mediator of the acute thyroid blood flow response to sympathetic nerve stimulation <i>M. Dey, M. Michalkiewicz, L. Huffman, and G. A. Hedge</i>	E24
Protein turnover in the human fetus studied at term using stable isotope tracer amino acids <i>P. F. W. Chien, K. Smith, P. W. Watt, C. M. Scrimgeour, D. J. Taylor, and M. J. Rennie</i>	E31
Okadaic acid, insulin, and denervation effects on glucose and amino acid transport and glycogen synthesis in muscle <i>K. A. Robinson, K. P. Boggs, and M. G. Buse</i>	E36
Marked reduction of acyl-CoA synthetase activity and mRNA in intra-abdominal visceral fat by physical exercise <i>I. Shimomura, K. Tokunaga, K. Kotani, Y. Keno, M. Yanase-Fujiwara, K. Kanosue, S. Jiao, T. Funahashi, T. Kobatake, T. Yamamoto, and Y. Matsuzawa</i>	E44
Regulation of gluconeogenesis during rest and exercise in the depancreatized dog <i>D. H. Wasserman, J. L. Johnson, J. L. Bupp, D. B. Lacy, and D. P. Bracy</i>	E51
Insulin differentially regulates systemic and skeletal muscle vascular resistance <i>A. D. Baron and G. Brechtel</i>	E61
Bioactive-to-immunoreactive ACTH activity changes with severity of stress in late-gestation ovine fetus <i>M. I. Castro, N. K. Valego, T. J. Zehnder, and J. C. Rose</i>	E68
Distribution of PYY receptors in human fat cells: an antilipolytic system alongside the α_2 -adrenergic system <i>I. Castan, P. Valet, D. Larrouy, T. Voisin, A. Remaury, D. Daviaud, M. Laburthe, and M. Lafontan</i>	E74
Corticosterone inhibits uncoupling protein gene expression in brown adipose tissue <i>A. Moriscot, R. Rabelo, and A. C. Bianco</i>	E81
Hydration of the fat-free body mass in children and adults: implications for body composition assessment <i>M. J. Hewitt, S. B. Going, D. P. Williams, and T. G. Lohman</i>	E88
Renal tubular Na ⁺ -K ⁺ -ATPase in diabetes mellitus: relationship to metabolic abnormality <i>H. Wald, P. Scherzer, R. Rasch, and M. M. Popovtzer</i>	E96
In vivo insulin sensitivity of the pyruvate dehydrogenase complex in tissues of the rat <i>G. J. Cooney, G. S. Denyer, A. B. Jenkins, L. H. Storlien, E. W. Kraegen, and I. D. Caterson</i>	E102
Role of eicosanoids in vasopressin-induced calcium mobilization in A7r5 vascular smooth muscle cells <i>M. Thibonnier, A. L. Bayer, C. L. Laethem, D. R. Koop, and M. S. Simonson</i>	E108
Sulfate conjugates of iodothyronines in developing sheep: effect of fetal hypothyroidism <i>S.-Y. Wu, D. H. Polk, W.-S. Huang, A. Reviczky, K. Wang, and D. A. Fisher</i>	E115
Comparison of lactotrope subtypes of neonatal and adult male rats: plaque assays and patch-clamp studies <i>R. Felix, J. Horta, and G. Cota</i>	E121

Effect of physical training on glucose transporter protein and mRNA levels in rat adipocytes	
<i>B. Stallknecht, P. H. Andersen, J. Vinten, L. L. Bendtsen, J. Sibbersen, O. Pedersen, and H. Galbo</i>	E128
Characteristics of glutamine transport in primary tissue culture of rat skeletal muscle	
<i>L. B. Tadros, P. M. Taylor, and M. J. Rennie</i>	E135
Mechanism of the prolactin rebound after dopamine withdrawal in rat pituitary cells	
<i>C. Chen, J. Zhang, J.-M. Israel, I. J. Clarke, and J.-D. Vincent</i>	E145
Gender differences in endocrine responses to posture and 7 days of -6° head-down bed rest	
<i>J. Vernikos, M. F. Dallman, L. C. Keil, D. O'Hara, and V. A. Convertino</i>	E153

MODELING IN PHYSIOLOGY

Five-compartment model of insulin kinetics and its use to investigate action of chloroquine in NIDDM	
<i>R. Hovorka, J. K. Powrie, G. D. Smith, P. H. Sönksen, E. R. Carson, and R. H. Jones</i>	E162

RAPID COMMUNICATION

Clenbuterol mimics effects of innervation on myogenic regulatory factor expression	
<i>C. A. Maltin, M. I. Delday, G. P. Campbell, and J. E. Hesketh</i>	E176

No. 2. AUGUST 1993

Mechanisms of ET-1 potentiation of angiotensin II stimulation of aldosterone production	
<i>E. N. Cozza and C. E. Gomez-Sanchez</i>	E179
Free and conjugated catecholamines and serotonin in canine thoracic duct lymph: effects of feeding	
<i>Y. K. Chen, H. M. Richter, III, V. L. W. Go, and G. M. Tyce</i>	E184
A compartmental model of acute stimulation of aldosterone secretion in vivo by potassium and ANG II	
<i>R. L. Gogerly, J. P. Coghlan, P. Morgenroth, and J. G. McDougall</i>	E190
Ethanol inhibits insulin action on lipolysis and on insulin release in elderly men	
<i>G. Boden, X. Chen, R. A. DeSantis, and Z. Kendrick</i>	E197
Effect of hypophysectomy on plasma catecholamines and enkephalins in fetal sheep	
<i>C. L. Coulter, I. R. Young, G. Simonetta, and I. C. McMillen</i>	E203
Acute effects of resistance exercise on muscle protein synthesis rate in young and elderly men and women	
<i>K. E. Yarasheski, J. J. Zachwieja, and D. M. Bier</i>	E210
Increased clearance of 1,25(OH) ₂ D ₃ and tissue-specific responsiveness to 1,25(OH) ₂ D ₃ in diabetic rats	
<i>J. Verhaeghe, A. M. H. Suiker, R. VanBree, E. VanHerck, I. Jans, W. J. Visser, M. Thomasset, K. Allewaert, and R. Bouillon</i>	E215
Direct measurement of change in muscle glycogen concentration after a mixed meal in normal subjects	
<i>R. Taylor, T. B. Price, L. D. Katz, R. G. Shulman, and G. I. Shulman</i>	E224
Correction of acidosis in humans with CRF decreases protein degradation and amino acid oxidation	
<i>D. Reaich, S. M. Channon, C. M. Scrimgeour, S. E. Daley, R. Wilkinson, and T. H. J. Goodship</i>	E230
Ontogeny of GH mRNA and GH secretion in male and female rats: regulation by GH-releasing hormone	
<i>Z. Hu, R. D. Friberg, and A. L. Barkan</i>	E236
Alterations in levels of Na ⁺ -K ⁺ -ATPase isoforms in heart, skeletal muscle, and kidney of diabetic rats	
<i>Y.-C. Ng, P. H. Tolerico, and C.-B. S. Book</i>	E243

Regulation of brown adipose tissue lipogenesis by thyroid hormone and the sympathetic nervous system <i>W.-J. Yeh, P. Leahy, and H. C. Freafe</i>	E252
Hypoglycemia but not hyperglycemia induces rapid changes in pancreatic β -cell gene transcription <i>S. J. Giddings, L. R. Carnaghi, and R. A. Shalwitz</i>	E259
Endothelin-1: a new autocrine/paracrine factor in rat testis <i>G. Fantoni, P. L. Morris, G. Forti, G. B. Vannelli, C. Orlando, T. Barni, R. Sestini, G. Danza, and M. Maggi</i>	E267
Regulation of hepatic glucose production during exercise in humans: role of sympathoadrenergic activity <i>M. Kjær, K. Engfred, A. Fernandes, N. H. Secher, and H. Galbo</i>	E275
Plasma NE concentrations do not accurately reflect sympathetic nervous system activity in human sepsis <i>D. J. Leinhardt, J. Arnold, K. A. Shipley, M. M. Mughal, R. A. Little, and M. H. Irving</i>	E284
Impaired febrile responses of aging mice are mediated by endogenous lipocortin-1 (annexin-1) <i>P. J. L. M. Strijbos, M. A. Horan, F. Carey, and N. J. Rothwell</i>	E289
Intravenous glucose tolerance test-derived glucose effectiveness in physically trained humans <i>K. Tokuyama, Y. Higaki, J. Fujitani, A. Kiyonaga, H. Tanaka, M. Shindo, M. Fukushima, Y. Nakai, H. Imura, I. Nagata, and A. Taniguchi</i>	E298
LH pulsatility, biopotency, and clearance during undernutrition in orchidectomized mature rats <i>Q. Dong, B. Li, H. Rintala, S. Blair, J. Spaliviero, and D. J. Handelsman</i>	E304
Impact of chronic stress hormone infusion on hepatic carbohydrate metabolism in the conscious dog <i>O. P. McGuinness, T. Fugiwara, S. Murrell, D. Bracy, D. Neal, D. O'Connor, and A. D. Cherrington</i>	E314
Involvement of epidermal growth factor in inducing obesity in overiectomized mice <i>H. Kurachi, H. Adachi, S. Ohtsuka, K.-I. Morishige, K. Amemiya, Y. Keno, I. Shimomura, K. Tokunaga, A. Miyake, Y. Matsuzawa, and O. Tanizawa</i>	E323
Stimulation of the renin-angiotensin system by growth hormone in Lewis dwarf rats <i>B. Wyse, M. Waters, and C. Sernia</i>	E332
Characterization of osteogenic response to mechanical stimulation in cancellous bone of rat caudal vertebrae <i>J. W. M. Chow, C. J. Jagger, and T. J. Chambers</i>	E340

LETTERS TO THE EDITOR

On the measurement of turnover in vivo <i>G. Meschia; J. Katz</i>	E348
--	------

No. 3. SEPTEMBER 1993

Glucose metabolism during fasting through human pregnancy: comparison of tracer method with respiratory calorimetry <i>B. Assel, K. Rossi, and S. Kalhan</i>	E351
Do nonesterified fatty acids regulate skeletal muscle protein turnover in humans? <i>M. Walker, E. Shmueli, S. E. Daley, B. G. Cooper, and K. G. M. M. Alberti</i>	E357
Pressor doses of angiotensin II increase insulin-mediated glucose uptake in normotensive men <i>R. R. Townsend and D. J. DiPette</i>	E362
Second messenger signaling of PTH- and PTHRP-stimulated osteoclast-like cell formation from hemopoietic blast cells <i>T. Sugimoto, M. Kanatani, H. Kaji, T. Yamaguchi, M. Fukase, and K. Chihara</i>	E367
In vitro lipid synthesis in human adipose tissue from three abdominal sites <i>N. K. Edens, S. K. Fried, J. G. Kral, J. Hirsch, and R. L. Leibel</i>	E374

Regulation of endogenous fat and carbohydrate metabolism in relation to exercise intensity and duration <i>J. A. Romijn, E. F. Coyle, L. S. Sidossis, A. Gastaldelli, J. F. Horowitz, E. Endert, and R. R. Wolfe</i>	E380
Regulation of glucose transporter and hexokinase II expression in tissues of diabetic rats <i>R. Burcelin, R. L. Printz, J. Kande, R. Assan, D. K. Granner, and J. Girard</i>	E392
Leucine metabolism in lactating and dry goats: effect of insulin and substrate availability <i>S. Tesseraud, J. Grizard, E. Debras, I. Papet, Y. Bonnet, G. Bayle, and C. Champredon</i>	E402
Angiotensin II is the mediator of the increase in hepatic angiotensinogen synthesis after bilateral nephrectomy <i>U. Hilgenfeldt and S. Schwind</i>	E414
Effects of exercise training on muscle GLUT-4 protein content and translocation in obese Zucker rats <i>J. T. Brozinick, Jr., G. J. Etgen, Jr., B. B. Yaspelkis III, H. Y. Kang, and J. L. Ivy</i>	E419
Aldose reductase gene expression and osmotic dysregulation in cultured human retinal pigment epithelial cells <i>M. J. Stevens, D. N. Henry, T. P. Thomas, P. D. Killen, and D. A. Greene</i>	E428
Contribution of calcium to isoproterenol-stimulated lipolysis in the isolated perfused rabbit heart <i>D. D. Schwartz, J. L. Williams, and K. U. Malik</i>	E439
Amylin-insulin relationships in insulin resistance with and without diabetic hyperglycemia <i>T. R. Pieber, D. T. Stein, A. Ogawa, T. Alam, M. Ohneda, K. McCorkle, L. Chen, J. D. McGarry, and R. H. Unger</i>	E446
Immunolocalization of GLUT-1 glucose transporter in rat skeletal muscle and in normal and hypoxic cardiac tissue <i>C. L. Doria-Medina, D. D. Lund, A. Pasley, A. Sandra, and W. I. Sivitz</i>	E454
Atrial natriuretic peptides are present throughout the plant kingdom and enhance solute flow in plants <i>D. L. Vesely, W. R. Gower, Jr., and A. T. Giordano</i>	E465
Onset of excess fat deposition in Zucker rats with and without decreased thermogenesis <i>B. Markewicz, G. Kuhmichel, and I. Schmidt</i>	E478
Effect of hepatic nerves on disposition of an intraduodenal glucose load <i>M. C. Moore, G. I. Shulman, A. Giaccari, M. J. Pagliassotti, G. Cline, D. Neal, L. Rossetti, and A. D. Cherrington</i>	E487
Alanine umbilical uptake, disposal rate, and decarboxylation rate in the fetal lamb <i>T. S. Guyton, H. De Wilt, P. V. Fennessey, G. Meschia, R. B. Wilkening, and F. C. Battaglia</i>	E497
Metabolic and thermogenic effects of lactate infusion in humans <i>E. Ferrannini, A. Natali, L. S. Brandi, R. Bonadonna, S. V. de Kreutzberg, S. DelPrato, and D. Santoro</i>	E504

MODELING IN PHYSIOLOGY

A minimal model for human whole body cholesterol metabolism <i>R. E. Ostlund, Jr.</i>	E513
--	------

RAPID COMMUNICATION

5'- and 5-Deiodinase activities in adult rat cecum and large bowel contents inhibited by intestinal microflora <i>T. T. Nguyen, J. J. DiStefano III, L.-M. Huang, H. Yamada, and H. J. Cahnmann</i>	E521
--	------

No. 4. OCTOBER 1993

Ovine fetal protein metabolism during decreased glucose delivery <i>J. R. Milley</i>	E525
---	------

Dietary arginine uptake by the splanchnic region in adult humans <i>L. Castillo, T. E. Chapman, Y.-M. Yu, A. Ajami, J. F. Burke, and V. R. Young</i>	E532
Leucine metabolism at graded amino acid intakes in children receiving parenteral nutrition <i>O. Goulet, S. DeP Potter, J. Salas, J.-J. Robert, M. Rongier, M. B. Hariz, J. Koziat, J.-F. Desjeux, C. Ricour, and D. Darmaun</i>	E540
Metabolic acidosis inhibits growth hormone secretion in rats: mechanism of growth retardation <i>A. Challa, R. J. Krieg, Jr., M. A. Thabet, J. D. Veldhuis, and J. C. M. Chan</i>	E547
Effect of age, calcium source, and radiolabeling method on whole body ⁴⁷ Ca retention in the rat <i>M. B. Andon, R. L. Kanerva, M. C. Schulte, and K. T. Smith</i>	E554
Adaptive changes in zonation for gluconeogenic capacity in liver lobules of cold-exposed rats <i>M. Shiota, Y. Fujimoto, M. Inagami, M. Hiramatsu, M. Moriyama, K. Kimura, M. Ohta, and T. Sugano</i>	E559
Long-term effects on pancreatic function of feeding a HC formula to rats during the preweaning period <i>S. Vadlamudi, B. K. Hiremagalur, L. Tao, S. C. Kalhan, R. N. Kalaria, H.-L. C. Kaung, and M. S. Patel</i>	E565
Regulation of maternal IGF-I by placental GH in normal and abnormal human pregnancies <i>A. Caufriez, F. Frankenne, G. Hennen, and G. Copinschi</i>	E572
Hypothalamic and gastric myoelectrical responses during vection-induced nausea in healthy Chinese subjects <i>L. H. Xu, K. L. Koch, J. Summy-Long, R. M. Stern, J. F. Seaton, T. S. Harrison, L. M. Demers, and S. Bingaman</i>	E578
Importance of brain IL-1 type II receptors in fever and thermogenesis in the rat <i>G. Luheshi, S. J. Hopkins, R. A. Lefevre, M. J. Dascombe, P. Ghiara, and N. J. Rothwell</i>	E585
Effects of blockade of fatty acid oxidation on whole body and tissue-specific glucose metabolism in rats <i>A. B. Jenkins, L. H. Storlien, G. J. Cooney, G. S. Denyer, I. D. Caterson, and E. W. Kraegen</i>	E592
Characterization of endothelin receptors in the anterior pituitary gland <i>B. Kanyicska and M. E. Freeman</i>	E601
Effects of insulin on the cardiovascular integrating mechanisms of brain stem in cats <i>S. W. Kuo, J. H. Hsieh, W. C. Wu, H. T. Horng, L. R. Shian, and C. Y. Chai</i>	E609
Increased fetal glucose concentration decreases ovine fetal leucine oxidation independent of insulin <i>E. A. Liechty, D. W. Boyle, H. Moorehead, Y. M. Liu, and S. C. Denne</i>	E617
Creatine kinase isoenzymes are highly regulated during pregnancy in rat uterus and placenta <i>R. M. Payne, D. L. Friedman, J. W. Grant, M. B. Perryman, and A. W. Strauss</i>	E624
¹⁴ C-labeled propionate metabolism in vivo and estimates of hepatic gluconeogenesis relative to Krebs cycle flux <i>B. R. Landau, W. C. Schumann, V. Chandrasekhar, I. Magnusson, K. Kumaran, and J. Wahren</i>	E636
Evidence that intrarenal bradykinin plays a role in regulation of renal function <i>H. M. Siragy</i>	E648
Circulating insulin levels are related to bone density in normal postmenopausal women <i>I. R. Reid, M. C. Evans, G. J. S. Cooper, R. W. Ames, and J. Stapleton</i>	E655
Pentoxifylline decreases body weight loss and muscle protein wasting characteristics of sepsis <i>D. Breuillé, M. C. Farge, F. Rosé, M. Arnal, D. Attaix, and C. Obled</i>	E660
Content, in vivo release, and bioactivity of fetal pulmonary immunoreactive adrenocorticotropin <i>T. A. Cudd, M. I. Castro, and C. E. Wood</i>	E667

No. 5. NOVEMBER 1993

- Interaction of PDGF and natriuretic peptides on mesangial cell proliferation and endothelin secretion
M. Kohno, M. Ikeda, M. Johchi, T. Horio, K. Yasunari, N. Kurihara, and T. Takeda E673
- Effects of insulin on the counterregulatory response to equivalent hypoglycemia in normal females
S. N. Davis, A. D. Cherrington, R. E. Goldstein, J. Jacobs, and L. Price E680
- Systemic and uterine responses to chronic infusion of estradiol-17 β
R. R. Magness, C. R. Parker, Jr., and C. R. Rosenfeld E690
- Ontogenetic regulation of mouse *Ren-2*⁴ renin gene in transgenic hypertensive rats, TGR(mREN2)27
Y. Zhao, M. Bader, R. Kreutz, M. Fernandez-Alfonso, F. Zimmermann, U. Ganten, R. Metzger, D. Ganten, J. J. Mullins, and J. Peters E699
- Effect of endurance training on plasma free fatty acid turnover and oxidation during exercise
W. H. Martin, III, G. P. Dalsky, B. F. Hurley, D. E. Matthews, D. M. Bier, J. M. Hagberg, M. A. Rogers, D. S. King, and J. O. Holloszy E708
- Acute hyperglycemia enhances proteolysis in normal man
P. J. Flakoll, J. O. Hill, and N. N. Abumrad E715
- Glutamine carbon disposal and net glutamine uptake in fetuses of fed and fasted ewes
L. L. Levitsky, B. S. Stonestreet, K. Mink, and Q. Zheng E722
- Determination of specific activity of labeled ligands by nonlinear regression analysis
J. A. Durr E728
- Regulation of phosphatidylinositol 3-kinase by insulin in rat skeletal muscle
K. S. Chen, J. C. Friel, and N. B. Ruderman E736
- Liver and peripheral tissue glycogen metabolism in obese mice: effect of a mixed meal
C. Chen, P. F. Williams, and I. D. Caterson E743
- Pyruvate dehydrogenase activity and acetyl group accumulation during exercise after different diets
C. T. Putman, L. L. Spriet, E. Hultman, M. I. Lindinger, L. C. Lands, R. S. McKelvie, G. Cederblad, N. L. Jones, and G. J. F. Heigenhauser E752
- Quantitation of glycolysis and skeletal muscle glycogen synthesis in humans
L. Rossetti, Y.-T. Lee, J. Ruiz, S. C. Aldridge, H. Shamooin, and G. Boden E761
- IGF-I and pamidronate increase bone mineral density in ovariectomized adult rats
P. Ammann, R. Rizzoli, K. Müller, D. Slosman, and J.-P. Bonjour E770
- Differential effect of metabolic fuels on the energy state and Na⁺-K⁺-ATPase in isolated cerebral microvessels
I. Sussman, V. Schultz, S. Gupta, C. Grady, N. B. Ruderman, and K. Tornheim E777
- Correlation of diacylglycerol level and protein kinase C activity in rat retina to retinal circulation
T. Shiba, T. Inoguchi, J. R. Sportsman, W. F. Heath, S. Bursell, and G. L. King E783
- Glucocorticoid receptors in PVN: interactions with NE, NPY, and Gal in relation to feeding
D. L. Tempel and S. F. Leibowitz E794
- Progressive alterations in lipid and glucose metabolism during short-term fasting in young adult men
S. Klein, Y. Sakurai, J. A. Romijn, and R. M. Carroll E801
- Insulin resistance in the GK rat: decreased receptor number but normal kinase activity in liver
S. Bisbis, D. Bailbe, M.-A. Tormo, F. Picarel-Blanchot, M. Derouet, J. Simon, and B. Portha E807
- Model for measuring absolute rates of hepatic de novo lipogenesis and reesterification of free fatty acids
M. K. Hellerstein, R. A. Neese, and J.-M. Schwarz E814

No. 6. DECEMBER 1993

- Lack of effect of hyperglycemia on lipolysis in humans
E. Cersosimo, S. Coppack, and M. Jensen E821

Lack of effect of hyperglycemia on lipolysis in humans <i>E. Cersosimo, S. Coppack, and M. Jensen</i>	E821
Differential effects of corticosteroids on rat peripheral blood T-lymphocyte mitogenesis in vivo and in vitro <i>G. J. Wieggers, G. Croiset, J. M. H. M. Reul, F. Holsboer, and E. R. De Kloet</i>	E825
Effects of recombinant human IGF-I on glucose and leucine kinetics in men <i>D. Elahi, M. McAloon-Dyke, N. K. Fukagawa, A. L. Sclater, G. A. Wong, R. P. Shannon, K. L. Minaker, J. M. Miles, A. H. Rubenstein, C. J. Vandepol, H.-P. Guler, W. R. Good, J. J. Seaman, and R. R. Wolfe</i>	E831
Mechanism of oxidative stress in skeletal muscle atrophied by immobilization <i>H. Kondo, I. Nakagaki, S. Sasaki, S. Hori, and Y. Itokawa</i>	E839
Temporal changes in insulin resistance and secretion in 24-h-fasted conscious pregnant rats <i>G. Rossi, R. S. Sherwin, A. S. Penzias, P. Lapaczewski, R. J. Jacob, G. I. Shulman, and M. P. Diamond</i>	E845
Regulation of fat-carbohydrate interaction in skeletal muscle during intense aerobic cycling <i>D. J. Dyck, C. T. Putman, G. J. F. Heigenhauser, E. Hultman, and L. L. Spriet</i>	E852
Role of angiotensin II in brown adipose thermogenesis during cold acclimation <i>L. A. Cassis</i>	E860
Mammalian bombesin as a hormone in ovine pregnancy: ontogeny, origin, and molecular forms <i>A. Giraud, L. Parker, D. Taupin, K. Hardy, and A. Shulkes</i>	E866
Growth hormone-enhanced acid production and glutamate and glutamine utilization in LLC-PK-F ⁺ cells <i>T. C. Welbourne and J. Fuseler</i>	E874
Lipoprotein lipase binding to adipocytes: evidence for the presence of a heparin-sensitive binding protein <i>A. Sasaki, P. Sivaram, and I. J. Goldberg</i>	E880
GLUT-4 content in plasma membrane of muscle from patients with non-insulin-dependent diabetes mellitus <i>S. Lund, H. Vestergaard, P. H. Andersen, O. Schmitz, L. B. H. Gøtzsche, and O. Pedersen</i>	E889
Differential regulation of intracellular glucose metabolism by glucose and insulin in human muscle <i>L. J. Mandarino, A. Consoli, A. Jain, and D. E. Kelley</i>	E898
Linear V ₁ -vascular vasopressin antagonists suitable for radioiodination, biotinylation, and fluorescent labeling <i>M. Thibonnier, A. L. Bayer, and Z. Madhun</i>	E906
High K _m of GLUT-2 glucose transporter does not explain its role in insulin secretion <i>M. Lachaal, R. A. Spangler, and C. Y. Jung</i>	E914
Effects of endotoxin on pigs prefed ω -3 vs. ω -6 fatty acid-enriched diets <i>M. J. Murray, B. A. Svingen, T. L. Yaksh, and R. T. Holman</i>	E920
Androgen regulation of thromboxane A ₂ /prostaglandin H ₂ receptor expression in human erythroleukemia cells <i>K. Matsuda, R. S. Mathur, E. Duzic, and P. V. Halushka</i>	E928
Effects of glutamine deprivation on glutamine transport and synthesis in primary culture of rat skeletal muscle <i>L. B. Tadros, N. M. Willhoft, P. M. Taylor, and M. J. Rennie</i>	E935
Effects of physiological hyperinsulinemia on the intracellular metabolic partition of plasma glucose <i>R. C. Bonadonna, S. Del Prato, E. Bonora, G. Gulli, A. Solini, and R. A. DeFronzo</i>	E943
<hr/>	
Subject Index to Volume 28	E955
Author Index to Volume 28	E963

CORRIGENDA

Volume 265, August 1993

Volume 28, August 1993

Pages E210-E214: K. E. Yarasheski, J. J. Zachwieja, and D. M. Bier. "Acute effects of resistance exercise on muscle protein synthesis rate in young and elderly men and women." Page E213, the following note added in proof was inadvertently omitted.

NOTE ADDED IN PROOF

While this article was in press, another group [S. Welle, C. Thornton, R. Jozefowicz, and M. Statt. Myofibrillar protein synthesis in young and old men. *Am. J. Physiol.* 264 (*Endocrinol. Metab.* 27): E693-E698, 1993], using similar techniques to those described here, reported that the fractional rate of myofibrillar protein synthesis was lower (28%) in elderly men (>60 yr) than young men (<35 yr) and that when whole body leucine rate of appearance (i.e., protein breakdown) was normalized for lean body mass, there was no significant difference between the elderly and young adults. Our observations 1) are entirely consistent with the recently published findings; 2) confirm the age-associated decrement in quadriceps muscle protein synthesis rate (38%) and muscle strength (20%) in elderly men and women; 3) are consistent with the suggestion that, with advancing age, muscle protein turnover contributes less and other protein turnover contributes more to the rate of whole body protein turnover; 4) suggest that measures of mixed-muscle protein and myofibrillar protein synthesis rate made using an intravenous [^{13}C]leucine infusion provide comparable results; and 5) suggest that increased contractile activity (e.g., resistance exercise training) may increase the fractional rate of muscle protein synthesis in the elderly to a rate identical to that observed in young adults doing the same relative intensity of short-term resistive exercise.

American Journal of Physiology: Gastrointestinal and Liver Physiology

No. 1. JULY 1993

INVITED REVIEW

Regulation of hepatic $\text{Na}^+\text{-HCO}_3^-$ cotransport and pH by membrane potential difference <i>J. G. Fitz, S. D. Lidofsky, and B. F. Scharschmidt</i>	G1
<hr/>	
Hepatic, renal, and total body galactose elimination in the pig <i>K. Winkler, J. H. Henriksen, and N. Tygstrup</i>	G9
Hepatic vein, hepatic parenchymal, and inferior vena caval mechanoreceptors with phrenic afferents <i>D. R. Kostreva and S. P. Pontus</i>	G15
Autoradiographic characterization of angiotensin II receptor subtypes in rat intestine <i>L. A. Sechi, J.-P. Valentin, C. A. Griffin, and M. Schambelan</i>	G21
Potassium conductance in rabbit esophageal epithelium <i>W. E. Khalbuss, R. Alkiek, C. G. Marousis, and R. C. Orlando</i>	G28
Role of calcium fluxes in the action of glucagon on glucose metabolism in rat hepatocytes <i>T. Mine, I. Kojima, and E. Ogata</i>	G35
pH regulation in perfused rat liver: respective role of $\text{Na}^+\text{-H}^+$ exchanger and $\text{Na}^+\text{-HCO}_3^-$ cotransport <i>T. Durand, J.-L. Gallis, S. Masson, P. J. Cozzone, and P. Canioni</i>	G43
Mechanism of action of capsaicin on submucosal arterioles in the guinea pig ileum <i>S. Vanner</i>	G51
Timed photoaffinity labeling and characterization of bile acid binding and transport proteins in rat ileum <i>M. C. Lin, E. Mullady, and F. A. Wilson</i>	G56
Orogastric EGF enhances c-neu and EGF receptor phosphorylation in suckling rat jejunum in vivo <i>J. F. Thompson, R. M. Lamprey, and P. C. F. Stokkers</i>	G63
Electrogenicity of Na-coupled bile salt transport in isolated rat hepatocytes <i>S. A. Weinman and R. P. Weeks</i>	G73
Genetic evidence for role of DPP IV in intestinal hydrolysis and assimilation of prolyl peptides <i>C. Tiruppathi, Y. Miyamoto, V. Ganapathy, and F. H. Leibach</i>	G81
Characterization of Na^+ -independent glutamine transport in rat liver <i>A. J. Pacitti, Y. Inoue, and W. W. Souba</i>	G90
Expression of rat intestinal L-lysine transport systems in isolated oocytes of <i>Xenopus laevis</i> <i>C. M. Harvey, W. R. Muzyka, S. Y.-M. Yao, C. I. Cheeseman, and J. D. Young</i>	G99
Evidence for indirect dietary regulation of cholecystokinin release in rats <i>A. I. Sharara, E. P. Bouras, M. A. Misukonis, and R. A. Liddle</i>	G107
Neurotensin and oxyntomodulin-(30-37) potentiate PYY regulation of gastric acid and somatostatin secretions <i>A. Bado, D. Cloarec, L. Moizo, J.-P. Laigneau, D. Bataille, and M. J. M. Lewin</i>	G113
Actions of <i>Helodermatidae</i> venom peptides and mammalian glucagon-like peptides on gastric chief cells <i>A. Rai, G. Singh, R. Raffaniello, J. Eng, and J.-P. Raufman</i>	G118
Tumor necrosis factor- α produces hepatocellular dysfunction despite normal cardiac output and hepatic microcirculation <i>P. Wang, A. Ayala, Z. F. Ba, M. Zhou, M. M. Perrin, and I. H. Chaudry</i>	G126
Gastric damage caused by acidified ethanol: role of molecular HCl <i>J. C. Barreto, G. S. Smith, D. H. Russell, and T. A. Miller</i>	G133
Lateral hypothalamic lesions cause gastric injury by stimulating gastric contractility <i>T. Garrick, C. V. Grijalva, and M. Trauner</i>	G138

Effect of 1,25(OH) ₂ D ₃ and its analogues on membrane phosphoinositide turnover and [Ca ²⁺] _i in Caco-2 cells <i>X.-Y. Tien, T. A. Brasitus, B. M. Qasawa, A. W. Norman, and M. D. Sitrin</i>	G143
Cholecystokinin receptors and PANC-1 human pancreatic cancer cells <i>J. P. Smith, C. A. Rickabaugh, P. J. McLaughlin, and I. S. Zagon</i>	G149
Gastrointestinal longitudinal muscle contractions <i>S. K. Sarna</i>	G156
Arterial constriction, ischemia-reperfusion, and leukocyte adherence in acute pancreatitis <i>K. Kusterer, T. Poschmann, A. Friedemann, M. Enghofer, S. Zender, and K. H. Usadel</i>	G165
Macrophage activation and leukocyte adhesion after liver transplantation <i>I. Marzi, F. Walcher, and V. Bühren</i>	G172
Cellular localization and hormonal regulation of pancreatic intrinsic factor secretion in dogs <i>K. W. Simpson, D. H. Alpers, J. De Wille, P. Swanson, S. Farmer, and R. G. Sherding</i>	G178
Nitric oxide donors reduce the rise in reperfusion-induced intestinal mucosal permeability <i>D. Payne and P. Kubes</i>	G189
Responses of the human esophagus to experimental intraluminal distension <i>D. Williams, D. G. Thompson, L. Heggie, and J. Bancewicz</i>	G196

ANNOUNCEMENTS

G204

No. 2. AUGUST 1993

INVITED REVIEW

Trefoil peptides: a newly recognized family of epithelial mucin-associated molecules <i>R. Poulsom and N. A. Wright</i>	G205
Nitric oxide synthase induction and intestinal epithelial cell viability in rats <i>B. L. Tepperman, J. F. Brown, and B. J. R. Whittle</i>	G214
Central and peripheral effects of CCK receptor antagonists on satiety in dogs <i>C. A. Cheng, J. G. Geoghegan, D. C. Lawson, S. U. Berlangieri, O. Akwari, and T. N. Pappas</i>	G219
Protein phosphatase inhibition and in vivo hepatotoxicity of microcystins <i>M. T. Runnegar, S. Kong, and N. Berndt</i>	G224
Omeprazole decreases H ⁺ -K ⁺ -ATPase protein and increases permeability of oxyntic secretory membranes in rabbits <i>J. M. Crothers, Jr., D. C. Chow, and J. G. Forte</i>	G231
Interaction between cholephilic anions and bile acid transport across basal membrane of human trophoblast <i>P. Bravo, M. Y. A. El-Mir, M. A. Serrano, R. Boyd, and J. J. G. Marin</i>	G242
Somatostatin inhibits pancreatic enzyme secretion at a central vagal site <i>Y. Li and C. Owyang</i>	G251
Physiological and morphological properties of neurons in sphincter of Oddi region of the guinea pig <i>D. G. Wells and G. M. Mawe</i>	G258
Cholinergic regulation of guinea pig duodenal bicarbonate secretion <i>H. S. Odes, R. Muallem, R. Reimer, W. Beil, M. Schwenk, and K.-F. Sewing</i>	G270
Effects of ammonium ion and ammonia on function and morphology of in vitro frog gastric mucosa <i>A. Yanaka, H. Muto, S. Ito, and W. Silen</i>	G277
Dipeptide transporters in apical and basolateral membranes of the human intestinal cell line Caco-2 <i>H. Saito and K.-I. Inui</i>	G289

PACAP is a stimulator of neurogenic contraction in guinea pig ileum <i>S. Katsoulis, A. Clemens, H. Schwörer, W. Creutzfeldt, and W. E. Schmidt</i>	G295
Influence of tactile stimulation of the rat gastric mucosa on blood flow and acid output <i>L. Holm and A. Jägar</i>	G303
Mechanoreceptors sensitive to flow at the gastroduodenal junction of the cat <i>C.-H. Malbert and L.-M. Leitner</i>	G310
Cardiac function and responsiveness to β -adrenoceptor agonists in rats with obstructive jaundice <i>G. Jacob, N. Nassar, G. Hayam, S. Ben-Haim, Y. Edoute, O. S. Better, and A. Bomzon</i>	G314
Substance P levels in experimental ileitis in guinea pigs: effects of misoprostol <i>M. J. S. Miller, H. Sadowska-Krowicka, A. Y. Jeng, S. Chotinaruemol, M. Wong, D. A. Clark, W. Ho, and K. A. Sharkey</i>	G321
Decreased expression of protooncogenes <i>c-fos</i> , <i>c-myc</i> , and <i>c-jun</i> following polyamine depletion in IEC-6 cells <i>J.-Y. Wang, S. A. McCormack, M. J. Viar, H. Wang, C.-Y. Tzen, R. E. Scott, and L. R. Johnson</i>	G331
Identification of a 5-hydroxytryptamine (5-HT ₂) receptor on guinea pig small intestinal crypt cells <i>A. K. Siriwardena, E. H. Smith, E. H. Borum, and J. M. Kellum, Jr.</i>	G339
Intracellular alkalinization stimulates bile flow and vesicular-mediated exocytosis in IPRL <i>R. Bruck, A. Benedetti, M. Strazzabosco, and J. L. Boyer</i>	G347
Effect of maternal sialoadenectomy on ontogenic response of rat gastric mucosa to luminal H ⁺ <i>B. L. Tepperman, B. L. Vozzolo, and B. D. Soper</i>	G354
TGF- α is a potent mitogen for primary cultures of guinea pig gastric mucous epithelial cells <i>M. J. Rutten, P. J. Dempsey, T. E. Solomon, and R. J. Coffey, Jr.</i>	G361
Na ⁺ -K ⁺ -2Cl ⁻ cotransport and Cl ⁻ secretion evoked by heat-stable enterotoxin in microfilament dependent in T84 cells <i>J. B. Matthews, C. S. Awtrey, R. Thompson, T. Hung, K. J. Tally, and J. L. Madara</i>	G370
Cell survival in rabbit gastric glands: effect of extracellular pH, osmolality, and anoxia <i>K. J. Carter, H. H. Lee, P. J. Goddard, A. Yanaka, H. Paimela, and W. Silen</i>	G379
Altered jejunal potassium (Rb ⁺) transport in piglet rotavirus enteritis <i>J. P. Woodard, W. Chen, E. O. Keku, S.-C. C. Liu, J. G. Lecce, and J. M. Rhoads</i>	G388

RAPID COMMUNICATIONS

Peptide-regulated guanylate cyclase pathways in rat colon: in situ localization of GCA, GCC, and guanylin mRNA <i>Z. Li and M. F. Goy</i>	G394
Biphasic effect of SNP on opossum esophageal longitudinal muscle: involvement of cGMP and eicosanoids <i>J. K. Saha, I. Hirano, and R. K. Goyal</i>	G403

No. 3. SEPTEMBER 1993

INVITED REVIEW

On the coupling of membrane digestion with intestinal absorption of sugars and amino acids <i>J. R. Pappenheimer</i>	G409
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Nitric oxide generators and cGMP stimulate mucus secretion by rat gastric mucosal cells <i>J. F. Brown, A. C. Keates, P. J. Hanson, and B. J. R. Whittle</i>	G418
---	------

Stimulation of Cl permeability in colonic crypts of Lieberkühn measured with a fluorescent indicator <i>D. R. Halm, K. L. Kirk, and K. C. Sathikumar</i>	G423
Plasticity in the gastric inhibitory innervation after immunization against VIP and vagotomy in the ferret <i>D. Grundy, M. K. Gharib-Naseri, and D. Hutson</i>	G432
Gastrin cell responses to acidification of the achlorhydric rat stomach <i>G. J. Dockray, R. Dimaline, E. R. Forster, D. Evans, A. Sandvik, and A. Varro</i>	G440
Preserved organic anion transport in mutant TR ⁻ rats with a hepatobiliary secretion defect <i>P. L. M. Jansen, J.-W. Van Klinken, M. Van Gelder, R. Ottenhoff, and R. P. J. Oude Elferink</i>	G445
Prostaglandin modulation of the gastric vasculature and mucosal integrity in cirrhotic rats <i>P. L. Beck, W. McKnight, S. S. Lee, and J. L. Wallace</i>	G453
Epidermal growth factor and the maturation of intestinal sucrase in suckling rats <i>C. Foltzer-Jourdainne, J.-C. Gaud, E. Nsi-Emvo, and F. Raul</i>	G459
Mechanism of leukotriene D ₄ stimulation of Cl ⁻ secretion in rat distal colon in vitro <i>C. S. Hyun and H. J. Binder</i>	G467
Role of endogenous endothelin in pathogenesis of ethanol-induced gastric mucosal injury in rats <i>E. Masuda, S. Kawano, K. Nagano, S. Tsuji, Y. Takei, N. Hayashi, M. Tsujii, M. Oshita, T. Michida, I. Kobayashi, H.-B. Peng, H. Fusamoto, and T. Kamada</i>	G474
Differential expression of the neurotensin gene in the developing rat and human gastrointestinal tract <i>B. M. Evers, S. Rajaraman, D. H. Chung, C. M. Townsend, Jr., X. Wang, K. Graves, and J. C. Thompson</i>	G482
Gastric ulcer induced by submucosal injection of ET-1: role of potent vasoconstriction and intraluminal acid <i>S. Lazaratos, H. Kashimura, A. Nakahara, H. Fukutomi, T. Osuga, T. Urushidani, T. Miyauchi, and K. Goto</i>	G491
Direct and indirect mechanosensory pathways from the colon to the inferior mesenteric ganglion <i>H. P. Parkman, R. C. Ma, W. H. Stapelfeldt, and J. H. Szurszewski</i>	G499
HNF-1 α and HNF-1 β expression in mouse intestinal crypts <i>M. S. Serfas and A. L. Tyner</i>	G506
Transcriptional and posttranscriptional control in synthesis of growth marker polypeptides in mouse parotids <i>R. O. López Solís, M. J. González, L. Castillo, S. Peña y Lillo, and C. Allende</i>	G514
Endogenous somatostatin inhibits histamine release from canine gastric mucosal cells in primary culture <i>C.-N. Chuang, M. Tanner, K. C. K. Lloyd, H. Wong, and A. H. Soll</i>	G521
The human sucrase-isomaltase gene directs complex patterns of gene expression in transgenic mice <i>A. J. Markowitz, G. D. Wu, E. H. Birkenmeier, and P. G. Traber</i>	G526
Duodenal acid-induced inhibition of gastric motility and emptying in rats <i>H. E. Raybould and H. H. Hölzer</i>	G540
Hepatic uptake of intact glutathione S-conjugate, inhibition by organic anions, and sinusoidal catabolism <i>C. A. Hinchman, A. T. Truong, and N. Ballatori</i>	G547
Calibration of albumin-fatty acid binding constants measured by heptane-water partition <i>F. J. Burczynski, S. M. Pond, C. K. Davis, L. P. Johnson, and R. A. Weisiger</i>	G555
Propionate activates multiple ion transport mechanisms in the HT29-18-C ₁ human colon cell line <i>W. A. Rowe, D. L. Blackmon, and M. H. Montrose</i>	G564
Cerebral metabolic and histological effects of thioacetamide-induced liver failure <i>J. Peeling, L. Shoemaker, T. Gauthier, A. Benarroch, G. R. Sutherland, and G. Y. Minuk</i>	G572

SPECIAL COMMUNICATION

Evaluation and validation of microsphere technique for determination of pancreatic blood flow

W. Harringer, C. Fernández-Del Castillo, D. W. Rattner, J. L. Guerrero, A. L. Warsaw, and G. J. Vlahakes

G587

LETTERS TO THE EDITOR

Limitations of laser-Doppler velocimetry and reflectance spectrophotometry in estimating gastric mucosal blood flow

A. M. Wheatley, M. Casadevall, J. Panés, and J. M. Piqué

G595

No. 4. OCTOBER 1993

INVITED REVIEW

Immunophysiology of the gut: a research frontier for integrative studies of the common mucosal immune system

G. A. Castro and C. J. Arntzen

G599

PAP, a pancreatic secretory protein induced during acute pancreatitis, is expressed in rat intestine

J. L. Iovanna, V. Keim, A. Bosshard, B. Orelle, J.-M. Frigerio, N. Dusetti, and J.-C. Dagorn

G611

Migrating spike complex in the small intestine of the fasting cat

W. C. De Vos

G619

Role of the enteric nervous system in the control of migrating spike complexes in the feline small intestine

W. C. De Vos

G628

Interstitial cells in deep muscular plexus of canine small intestine may be specialized smooth muscle cells

S. Torihashi, S. Kobayashi, W. T. Gerthoffer, and K. M. Sanders

G638

Gastric myoelectric and motor activity in dogs with gastric dilatation-volvulus

J. A. Hall, T. N. Solie, H. B. Seim, III, and D. C. Twedt

G646

Gastrointestinal transit is not impaired by regional loss of myenteric neurons in rat jejunum

M. S. Luck, J. C. White, and P. Bass

G654

VIP-mediated G protein-coupled Ca^{2+} influx activates a constitutive NOS in dispersed gastric muscle cells

K. S. Murthy, K.-M. Zhang, J.-G. Jin, J. R. Grider, and G. M. Makhlof

G660

Nutrient feedback inhibition of gastric emptying plays a larger role than osmotically dependent duodenal resistance

H. C. Lin, J. D. Elashoff, Y.-G. Gu, and J. H. Meyer

G672

Proximal duodenal enterocyte transport: evidence for $\text{Na}^+\text{-H}^+$ and $\text{Cl}^-\text{-HCO}_3^-$ exchange and NaHCO_3 cotransport

J. I. Isenberg, M. Ljungström, B. Säfsten, and G. Flemström

G677

Distribution of adenylate cyclase and GTP-binding proteins in hepatic plasma membranes

B. S. Dixon, E. Sutherland, A. Alexander, D. Nibel, and F. R. Simon

G686

Origin of D-alanine present in urine of mutant mice lacking D-amino-acid oxidase activity

R. Konno, T. Owada, A. Ozaki, T. Iida, A. Niwa, Y. Yasumura, and T. Mizutani

G699

Quantitative relationship between liquid bolus flow and laryngeal closure during deglutition

D. J. Maddock and R. J. Gilbert

G704

Modulation of uptake of heme by rat small intestinal mucosa in iron deficiency <i>S. K. Roberts, R. W. Henderson, and G. P. Young</i>	G712
Secretin causes H ⁺ secretion from intrahepatic bile ductules by vacuolar-type H ⁺ -ATPase <i>O. Villanger, T. Veel, and M. G. Røeder</i>	G719
Involvement of phospholipase D in caerulein-induced phosphatidylcholine hydrolysis in rat pancreatic acini <i>G. Rydzewska, B. Rossignol, and J. Morisset</i>	G725
Characterization of cytochrome P-450-dependent arachidonic acid metabolism in rabbit intestine <i>C. Macica, M. Balazy, J. R. Falck, C. Mioskowski, and M. A. Carroll</i>	G735
Effects of the somatostatin analogue octreotide on rectal afferent nerves in humans <i>V. Plourde, T. Lembo, Z. Shui, J. Parker, H. Mertz, Y. Taché, B. Sytnik, and E. Mayer</i>	G742
Role of histamine ₂ receptor in increased expression of rat gastric H ⁺ -K ⁺ -ATPase α -subunit induced by omeprazole <i>A. Tari, G. Yamamoto, K. Sumii, M. Sumii, Y. Takehara, K. Haruma, G. Kajiya, V. Wu, G. Sachs, and J. H. Walsh</i>	G752
Nitric oxide regulates migrating motor complex cycling and its postprandial disruption <i>S. K. Sarna, M. F. Otterson, R. P. Ryan, and V. E. Cowles</i>	G759
Effects of gastric pacing on canine gastric motility and emptying <i>J. C. Eagon and K. A. Kelly</i>	G767
Na ⁺ -K ⁺ -ATPase gene expression in rat intestine and Caco-2 cells: response to thyroid hormone <i>R. A. Giannella, J. Orlowski, M. L. Jump, and J. B. Lingrel</i>	G775
Effect of ursodeoxycholic acid on intracellular pH regulation in isolated rat bile duct epithelial cells <i>D. Alvaro, A. Mennone, and J. L. Boyer</i>	G783
Mechanical properties of isolated smooth muscle from human rectum and internal anal sphincter <i>E. B. Glavind, A. Forman, G. Madsen, D. Svane, K. E. Andersson, and A. Tøttrup</i>	G792

RAPID COMMUNICATION

Inhibitory effect of CO on internal anal sphincter: heme oxygenase inhibitor inhibits NANC relaxation <i>S. Rattan and S. Chakder</i>	G799
---	------

No. 5. NOVEMBER 1993

Effect of [(CH ₂ NH) ₄ ,5]secretin on pancreatic exocrine secretion in guinea pigs and rats <i>C. D. Kim, P. Li, K. Y. Lee, D. H. Coy, and W. Y. Chey</i>	G805
Structural characterization of PACAP receptors on rat liver plasma membranes <i>T. D. Nguyen, G. G. Heintz, and M. S. Wolfe</i>	G811
Opposing gastric motor responses to TRH and substance P on their microinjection into nucleus raphe obscurus of rats <i>Z. K. Krowicki and P. J. Hornby</i>	G819
Sex differences in intracellular fatty acid transport: role of cytoplasmic binding proteins <i>B. A. Luxon and R. A. Weisiger</i>	G831
Mechanism of action of CCK in avian gastroduodenal motility: evidence for nitric oxide involvement <i>V. Martinez, M. Jimenez, E. Goñalons, and P. Vergara</i>	G842
Characterization of univectorial polyamine transport in duodenal crypt cell line <i>J.-L. Scemama, V. Grabié, and E. R. Seidel</i>	G851
Cyclin and cyclin-dependent kinase 1 mRNA expression in models of regenerating liver and human liver diseases <i>J. H. Albrecht, J. S. Hoffman, B. T. Kren, and C. J. Steer</i>	G857

Partial agonism by gastrin for a cholecystokinin receptor mediating pepsinogen secretion <i>L. H. Tang, M. D. Miller, J. R. Goldenring, I. M. Modlin, and S. J. Hersey</i>	G865
Potassium current in circular smooth muscle of human jejunum activated by fenamates <i>G. Farrugia, J. L. Rae, M. G. Sarr, and J. H. Szurszewski</i>	G873
TRH in dorsal vagal complex mediates acid response to excitation of raphe pallidus neurons in rats <i>H. Yang, G. Ohning, and Y. Taché</i>	G880
Actions of nitric oxide-generating sodium nitroprusside in myenteric plexus of guinea pig small intestine <i>K. Tamura, M. Schemann, and J. D. Wood</i>	G887
Comparison of plasma membrane FABP and mitochondrial isoform of aspartate aminotransferase from rat liver <i>D. D. Stump, S.-L. Zhou, and P. D. Berk</i>	G894
Intracellular pH-regulating ion transport mechanisms in parietal cell basolateral membrane vesicles <i>G. Lamprecht, U. Seidler, and M. Classen</i>	G903
Expression of gap junction connexin 43 and connexin 43 mRNA in different regional tissues of intestine in dog <i>Z. Li, Z. Zhou, and E. E. Daniel</i>	G911
Human and rat intestinal plasma membrane calcium pump isoforms <i>A. Howard, S. Legon, and J. R. F. Walters</i>	G917
Characterization of bumetanide transport in isolated skate hepatocytes <i>M. Blumrich, E. Petzinger, and J. L. Boyer</i>	G926
Nonparallel secretion of pepsinogen and acid by gastric oxyntopeptic cells of the toad (<i>Bufo marinus</i>) <i>M.-C. Ruiz, A. Acosta, M. J. Abad, and F. Michelangeli</i>	G934
Interaction of bumetanide derivatives with hepatocellular bile acid uptake <i>E. Petzinger, W. Föllmann, M. Blumrich, R. Schermuly, S. Schulz, J. Hahnen, and P. W. Feit</i>	G942
Regulation of paracellular permeability in Caco-2 cell monolayers by protein kinase C <i>W. F. Stenson, R. A. Easom, T. E. Riehl, and J. Turk</i>	G955
Pharyngeal, esophageal, and proximal gastric responses associated with vomiting <i>I. M. Lang, S. K. Sarna, and W. J. Dodds</i>	G963
Coordination of Cl ⁻ secretion and contraction by a histamine H ₂ -receptor agonist in guinea pig distal colon <i>H. J. Cooke, Y.-Z. Wang, and R. Rogers</i>	G973
Cotransport of 2-methyl-aminoisobutyric acid and chloride in rabbit small intestine <i>L. K. Munck</i>	G979
Homologous desensitization of histamine H ₂ receptors in the human gastric carcinoma cell line MKN-45 <i>N. Arima, Y. Kinoshita, A. Nakamura, Y. Yamashita, and T. Chiba</i>	G987

RAPID COMMUNICATIONS

Role of endothelial adhesion molecules in NSAID-induced gastric mucosal injury <i>J. L. Wallace, W. McKnight, M. Miyasaka, T. Tamatani, J. Paulson, D. C. Anderson, D. N. Granger, and P. Kubes</i>	G993
A cloned CCK-A receptor transduces multiple signals in response to full and partial agonists <i>D. I. Yule, M.-J. Tseng, J. A. Williams, and C. D. Logsdon</i>	G999
Identification of cholinergic neurons in enteric nervous system by antibodies against choline acetyltransferase <i>M. Schemann, H. Sann, C. Schaaf, and M. Mäder</i>	G1005

No. 6. DECEMBER 1993

Relationship between tumor necrosis factor- α and neutrophils in endotoxin-induced liver injury <i>J. A. Hewett, P. A. Jean, S. L. Kunkel, and R. A. Roth</i>	G1011
---	-------

Effect of vagotomy on ornithine decarboxylase activity in rat duodenal mucosa <i>J.-I. Tanaka, K. Fujimoto, T. Sakata, T. Fujimoto, S. Tsunada, R. Iwakiri, M. Yamaguchi, Y. Okabe, and H. Yoshimatsu</i>	G1016
Leukotriene B ₄ and C ₄ production in isolated rat gastric mucosal cells <i>W. Huber, M. Trautmann, I. Becker, U. Schenck, B. M. Peskar, and W. Schepp</i>	G1021
Duodenal mucosal alkaline secretion, permeability, and blood flow <i>O. Nylander, A. Hällgren, and L. Holm</i>	G1029
Autoregulation of histamine synthesis through H ₃ receptors in isolated fundic mucosal cells <i>F. Hollande, J.-P. Bali, and R. Magous</i>	G1039
Pressure diuresis and natriuresis in cirrhotic rats <i>N. M. Atucha, M. Cegarra, A. Ramirez, T. Quesada, and J. Garcia-Estañ</i>	G1045
Neural mediation of cholera toxin-induced mucin secretion in the rat small intestine <i>B. A. Moore, K. A. Sharkey, and M. Mantle</i>	G1050
Muscarinic cholinergic receptor density following small intestinal transplantation in rats <i>Z. Zhang, T. R. Koch, E. Mustin, S. Walgenbach-Telford, and G. L. Telford</i>	G1057
A novel in vitro technique to study extrinsic neural control of rabbit colonic muscle and epithelial function <i>J. M. Goldhill and W. H. Percy</i>	G1064
Vascular clearance and organ uptake of G- and F-actin in the rat <i>A. J. Herrmannsdoerfer, G. T. Heeb, P. J. Feustel, J. E. Estes, C. J. Keenan, F. L. Minnear, L. Selden, C. Giunta, J. R. Flor, and F. A. Blumenstock</i>	G1071
Interaction between signal transduction pathways contributing to gallbladder tonic contraction <i>P. Yu, K. M. Harnett, P. Biancani, G. De Petris, and J. Behar</i>	G1082
Regulation of capillary exchange capacity in postnatal swine intestine <i>P. T. Nowicki and C. E. Miller</i>	G1090
Topography of normal and high-amplitude esophageal peristalsis <i>R. E. Clouse and A. Staiano</i>	G1098
Intestinal lactase: maturational excess expression of mRNA over enzyme protein <i>D. M. Nudell, N. A. Santiago, J.-S. Zhu, M. L. Cohen, Z. Majuk, and G. M. Gray</i>	G1108
Guinea pig gallbladder and pancreas possess identical CCK-A receptor subtypes: receptor cloning and expression <i>A. De Weerth, J. R. Pisegna, and S. A. Wank</i>	G1116
Relationship between muscarinic receptor occupancy and response in rat parotid acinar cells <i>Y. Dai and B. J. Baum</i>	G1122
Bidirectional membrane transport of intact glutathione in Hep G2 cells <i>G. Sze, N. Kaplowitz, M. Ookhtens, and S. C. Lu</i>	G1128
Effect of cyclooxygenase inhibition on macromolecular transport in rat gastric mucosa <i>G. H. Curtis, W. K. MacNaughton, and D. G. Gall</i>	G1135
Murine intestinal disaccharidases: identification of structural variants of sucrase-isomaltase complex <i>R. Quezada-Calvillo, A. J. Markowitz, P. G. Traber, and B. J. Underdown</i>	G1141
Characterization of intestinal γ -glucoamylase deficiency in CBA/Ca mice <i>R. Quezada-Calvillo, M. Senchyna, and B. J. Underdown</i>	G1150
Effects of vasoactive intestinal contractor on voltage-activated Ca ²⁺ currents in feline parasympathetic neurons <i>T. Nishimura, J. Krier, and T. Akasu</i>	G1158
Pancreatic polypeptide in dorsal vagal complex stimulates gastric acid secretion and motility in rats <i>D. M. McTigue, N. K. Edwards, and R. C. Rogers</i>	G1169

RAPID COMMUNICATION

Both low- and high-affinity CCK receptor states mediate trophic effects on rat pancreatic acinar cells

H. Hoshi and C. D. Logsdon

G1177

Subject Index to Volume 28

G1183

Author Index to Volume 28

G1193

American Journal of Physiology: Lung Cellular and Molecular Physiology

No. 1. JULY 1993

INVITED REVIEW

Antisense technology: biological utility and practical considerations <i>L. Neckers and L. Whitesell</i>	L1
Effect of immune sensitization on stimulated ACh release from trachealis muscle in vitro <i>R. W. Mitchell, I. M. Ndukwu, K. Ikeda, K. Arbetter, and A. R. Leff</i>	L13
Recycling of surfactant lipid and apoprotein-A studied by electron microscopic autoradiography <i>S. L. Young, E. K. Fram, E. Larson, and J. R. Wright</i>	L19
5'-Adenylylimidodiphosphate does not activate CFTR chloride channels in cell-free patches of membrane <i>M. R. Carson and M. J. Welsh</i>	L27
Effects of ozone on transepithelial potential of mouse trachea <i>M. Takahashi, S. R. Kleeberger, and T. L. Croxton</i>	L33
Electrophysiological properties of guinea pig tracheal epithelium determined by cable analysis <i>T. L. Croxton</i>	L38
Maturation changes induced by 1 α ,25 dihydroxyvitamin D ₃ in type II cells from fetal rat lung explants <i>L. Marin, M. E. Dufour, T. M. Nguyen, C. Tordet, and M. Garabedian</i>	L45
Acute hypoxia increases cytosolic calcium in fetal pulmonary artery smooth muscle cells <i>D. N. Cornfield, T. Stevens, I. F. McMurtry, S. H. Abman, and D. M. Rodman</i>	L53
Protein kinase C activity during the process of lung liquid clearance <i>M. Sapjaszko, J. Mackenzie, M. P. Walsh, and Y. Berthiaume</i>	L57
Effects of β -adrenergic receptor activation on alveolar macrophage cytoplasmic motility <i>T. Fukushima, K. Sekizawa, Y. Jin, M. Yamaya, H. Sasaki, and T. Takishima</i>	L67
Fluoroaluminate- and GTP γ S-induced stress, shortening, and myosin phosphorylation in airway smooth muscle <i>C.-M. Hai and C. B. B. Ma</i>	L73
Halothane alters cytosolic calcium transient in tracheal smooth muscle <i>K. A. Jones, P. R. Housmans, D. O. Warner, R. R. Lorenz, and K. Rehder</i>	L80
Pulmonary vein contracts in response to hypoxia <i>Y. Zhao, C. S. Packer, and R. A. Rhoades</i>	L87

BOOKSHELF

L93

No. 2. AUGUST 1993

Age-related changes in pulmonary muscarinic receptor binding properties <i>M. Wills-Karp</i>	L103
Nitric oxide synthesis by rat pleural mesothelial cells: induction by cytokines and lipopolysaccharide <i>M. W. Owens and M. B. Grisham</i>	L110
Glucocorticoid elevation of mRNA encoding epinephrine-forming enzyme in lung <i>B. Kennedy, H. Elayan, and M. G. Ziegler</i>	L117
Hyperoxic stress elevates p52(PAI-1) mRNA abundance in cultured cells and adult rat pulmonary tissue <i>J. E. White, M. P. Ryan, M.-F. Tsan, and P. J. Higgins</i>	L121

Smooth muscle myosin regulation by serum and cell density in cultured rat lung connective tissue cells <i>P. Babij, J. Zhao, S. White, J. Woodcock-Mitchell, J. Mitchell, M. Absher, L. Baldor, M. Periasamy, and R. B. Low</i>	L127
Type II pneumocytes secrete vitamin E together with surfactant lipids <i>B. Rüstow, R. Haupt, P. A. Stevens, and D. Kunze</i>	L133
Glucocorticoid regulation of fatty acid synthase gene expression in fetal rat lung <i>Z.-X. Xu, W. Stenzel, S. M. Sasic, D. A. Smart, and S. A. Rooney</i>	L140
Incorporation of fibronectin into matrix decreases TNF-induced increase in endothelial monolayer permeability <i>E. M. Wheatley, P. J. McKeown-Longo, P. A. Vincent, and T. M. Saba</i>	L148
Lung CTP:choline-phosphate cytidylyltransferase: activation of cytosolic species by unsaturated fatty acid <i>R. K. Mallampalli, R. G. Salome, and G. W. Hunninghake</i>	L158
Characterization of tachykinin receptors in ferret trachea by peptide agonists and nonpeptide antagonists <i>P. Geppetti, C. Bertrand, E. Bacci, O. Huber, and J. A. Nadel</i>	L164
Calcium-dependent chloride secretion across cultures of human tracheal surface epithelium and glands <i>M. Yamaya, T. Ohru, W. E. Finkbeiner, and J. H. Widdicombe</i>	L170
Endotoxin priming of monocytes augments Fc γ receptor cross-linking-induced TNF- α and IL-1 β release <i>G. C. Kindt, S. A. Moore, Z.-W. She, and M. D. Wewers</i>	L178
Apoprotein-based synthetic surfactants inhibit plasminic cleavage of fibrinogen in vitro <i>A. Günther, H. Bleyl, and W. Seeger</i>	L186
Pulmonary surfactant protein A-mediated uptake of phosphatidylcholine by alveolar type II cells <i>A. Tsuzuki, Y. Kuroki, and T. Akino</i>	L193
Neurotransmitter-induced exocytosis in goblet and acinar cells of rat nasal mucosa studied by video microscopy <i>A. Kamijo, S. Terakawa, and K. Hisamatsu</i>	L200

No. 3. SEPTEMBER 1993

INVITED REVIEW

A protein structural approach to the solution of biological problems: α_1 -antitrypsin as a recent example <i>D. A. Lomas and R. W. Carrell</i>	L211
<hr/>	
Sulfhydryl-depleting agents, but not deferoxamine, modulate EDRF action in cultured pulmonary arterial cells <i>N. Marczin, U. S. Ryan, and J. D. Catravas</i>	L220
Neuromodulation mediated by neurokinin-1 subtype receptors in adult rabbit airways <i>C. John, S. Brunner, and D. T. Tanaka</i>	L228
Prostaglandin secretion by guinea pig tracheal epithelial cells caused by eosinophil major basic protein <i>S. R. White, K. S. Sigrist, and S. M. Spaethe</i>	L234
Neutrophil-mediated endothelial angiotensin-converting enzyme dysfunction: role of oxygen-derived free radicals <i>X. Chen and J. D. Catravas</i>	L243
Effect of tunicamycin on maturation of fetal mouse lung <i>E. H. Webster, S. R. Hilfer, R. L. Searls, and J. Kornilow</i>	L250
Mucinlike glycoproteins from cat tracheal gland cells in primary culture <i>D. J. Culp and L. R. Latchney</i>	L260
Matrix Gla protein mRNA expression in cultured type II pneumocytes <i>S. R. Rannels, M. L. Cancela, E. B. Wolpert, and P. A. Price</i>	L270
PO $_2$ -dependent hydroxyl radical production during ischemia-reperfusion lung injury <i>P. W. Fisher, Y.-C. T. Huang, T. P. Kennedy, and C. A. Piantadosi</i>	L279

- Neutrophil elastase increases secretory leukocyte protease inhibitor transcript levels in airway epithelial cells
J. M. Abbinante-Nissen, L. G. Simpson, and G. D. Leikauf L286
- Hyperoxic exposure of developing rat lung decreases tropoelastin mRNA levels that rebound postexposure
M. C. Bruce, E. N. Bruce, K. Janiga, and A. Chetty L293
- Effects of activated eosinophils cultured from human umbilical cord blood on guinea pig trachealis
K. J. Hamann, M. E. Strek, S. L. Baranowski, N. M. Munoz, F. S. Williams, S. R. White, A. Vita, and A. R. Leff L301
- Asbestos directly increases lung epithelial permeability
M. W. Peterson, M. E. Walter, and T. J. Gross L308

No. 4. OCTOBER 1993

- Postnatal lung growth: evidence that the gas-exchange region grows fastest at the periphery
G. D. Massaro and D. Massaro L319
- G protein-regulated large-conductance chloride channels in freshly isolated fetal type II alveolar epithelial cells
P. J. Kemp, G. G. MacGregor, and R. E. Olver L323
- Uptake of antioxidants in surfactant liposomes by cultured alveolar type II cells is enhanced by SP-A
F. J. Walther, R. David-Cu, M. C. Supnet, M. L. Longo, B. R. Fan, and R. Bruni L330
- Mitigation of oxidant injury to lung microvasculature by intratracheal instillation of antioxidant enzymes
M. L. Barnard, R. R. Baker, and S. Matalon L340
- Endotoxin enhances hypoxic constriction of rat aorta and pulmonary artery through induction of EDRF/NO synthase
P. Zelenkov, T. McLoughlin, and R. A. Johns L346
- Receptor mechanism of thrombin-mediated pulmonary vasodilation in neonates
J. M. B. Pinheiro, T. T. Andersen, and A. B. Malik L355
- Corticosteroids differentially regulate secretion of IL-6, IL-8, and G-CSF by a human bronchial epithelial cell line
S. J. Levine, P. Larivée, C. Logun, C. W. Angus, and J. H. Shelhamer L360
- Parquat-induced lung injury: prevention by vasoactive intestinal peptide and related peptide helodermin
H. Pakbaz, H. D. Foda, H. I. Berisha, M. Trotz, and S. I. Said L369
- GLP-1 stimulates secretion of macromolecules from airways and relaxes pulmonary artery
G. Richter, O. Feddersen, U. Wagner, P. Barth, R. Göke, and B. Göke L374
- Pleural mesothelial cell response to inflammation: tumor necrosis factor-induced mitogenesis and collagen synthesis
M. W. Owens and S. R. Grimes L382
- Visualization of high- and low-affinity β -adrenergic receptors in rat lung: upregulation by chronic hypoxia
D. J. Birnkrant, P. B. Davis, and P. Ernsberger L389
- Oxygen conformance of cellular respiration in hepatocytes
P. T. Schumacker, N. Chandel, and A. G. N. Agusti L395
- Changes in lung expansion alter pulmonary DNA synthesis and IGF-II gene expression in fetal sheep
S. B. Hooper, V. K. M. Han, and R. Harding L403
- Modulation of vasoactive intestinal peptide pulmonary relaxation by NO in tracheally superfused guinea pig lungs
C. M. Lilly, J. S. Stamler, B. Gaston, C. Meckel, J. Loscalzo, and J. M. Drazen L410

BOOKSHELF

L416

No. 5. NOVEMBER 1993**INVITED REVIEW**

Radioligand binding methods: practical guide and tips

D. B. Bylund and M. L. Toews

L421

Retinoic acid increases elastin in neonatal rat lung fibroblast cultures

R. Liu, C. S. Harvey, and S. E. McGowan

L430

A 96-kDa gelatinase induced by TNF- α contributes to increased microvascular endothelial permeability*C. A. Partridge, J. J. Jeffrey, and A. B. Malik*

L438

Degradation of surfactant protein B by alveolar type II cells

S. R. Bates and A. B. Fisher

L448

cAMP regulates soluble guanylate cyclase β 1-subunit gene expression in RFL-6 rat fetal lung fibroblasts*A. Shimouchi, S. P. Janssens, D. B. Bloch, W. M. Zapol, and K. D. Bloch*

L456

Tumor necrosis factor- α alters pulmonary vasoreactivity via neutrophil-derived oxidants*T. J. Ferro, D. C. Hocking, and A. Johnson*

L462

Respiratory syncytial virus-induced cytokine production by a human bronchial epithelial cell line

T. L. Noah and S. Becker

L472

ATP and UTP increase secretion of bronchial inhibitor by human tracheal gland cells in culture

M. D. Merten, J.-P. Breittmayer, C. Figarella, and C. Frelin

L479

Release of ED₁ fibronectin from matrix of perfused lungs after vascular injury is independent of protein synthesis*P. A. Vincent, R. A. Rebres, E. P. Lewis, V. Hurst IV, and T. M. Saba*

L485

Elevated lung G protein levels and muscarinic receptor affinity in a mouse model of airway hyperreactivity

S. H. Gavett and M. Wills-Karp

L493

Postinsult treatment with N-acetyl-L-cysteine decreases IL-1-induced neutrophil influx and lung leak in rats

*J. A. Leff, C. P. Wilke, B. M. Hybertson, P. F. Shanley,**C. J. Beehler, and J. E. Repine*

L501

Involvement of neurogenic inflammation in antigen-induced bronchoconstriction in guinea pigs

C. Bertrand, P. Geppetti, P. D. Graf, A. Foresi, and J. A. Nadel

L507

RAPID COMMUNICATION

Effect of gas composition on liquid secretion by explants of distal lung of fetal rat in submersion culture

P. M. Barker and J. T. Gatzky

L512

BOOKSHELF

L518

No. 6. DECEMBER 1993**INVITED REVIEW**

Lung morphometry: a new generation of tools and experiments for organ, tissue, cell, and molecular biology

R. P. Bolender, D. M. Hyde, and R. T. Dehoff

L521

Effect of airway inflammation on smooth muscle shortening and contractility in guinea pig trachealis

R. W. Mitchell, I. M. Ndukwu, K. Arbetter, J. Solway, and A. R. Leff

L549

Mechanisms of peroxynitrite-induced injury to pulmonary surfactants <i>I. Y. Haddad, H. Ischiropoulos, B. A. Holm, J. S. Beckman, J. R. Baker, and S. Matalon</i>	L555
Prejunctional α_2 -adrenoceptors inhibit acetylcholine release from cholinergic nerves in equine airways <i>M. Yu, Z. Wang, and N. E. Robinson</i>	L565
Dilator effect of endothelins in pulmonary circulation: changes associated with chronic hypoxia <i>S. Eddahibi, D. Springall, M. Mannan, C. Carville, P.-E. Chabrier, M. Levame, B. Raffestin, J. Polak, and S. Adnot</i>	L571
Alveolar macrophage secretion of a 92-kDa gelatinase in response to bleomycin <i>E. M. Denholm and S. M. Rollins</i>	L581
Secretion of surfactant protein A from rat type II pneumocytes <i>S. A. Rooney, L. I. Gobran, T. M. Umstead, and D. S. Phelps</i>	L586
Effect of hypoxia and norepinephrine on cytoplasmic free Ca^{2+} in pulmonary and cerebral arterial myocytes <i>M. S. Vadula, J. G. Kleinman, and J. A. Madden</i>	L591
Synthesis and vectorial export of cGMP in airway epithelium: expression of soluble and CNP-specific guanylate cyclases <i>C. A. Geary, M. F. Goy, and R. C. Boucher</i>	L598
Role of myosin light-chain phosphorylation in endothelial cell retraction <i>R. Sheldon, A. Moy, K. Lindsley, S. Shasby, and D. M. Shasby</i>	L606
Hydrogen peroxide stimulates sodium-potassium pump activity in cultured pulmonary arterial endothelial cells <i>J. V. Meharg, J. McGowan-Jordan, A. Charles, J. T. Parmelee, M. V. Cutaia, and S. Rounds</i>	L613
Enhanced rate of H_2O_2 release from bovine pulmonary artery endothelial cells induced by TGF- $\beta 1$ <i>V. J. Thannickal, P. M. Hassoun, A. C. White, and B. L. Fanburg</i>	L622
Pulmonary carbonic anhydrase IV: developmental regulation and cell-specific expression in the capillary endothelium <i>R. E. Fleming, E. C. Crouch, C. A. Ruzicka, and W. S. Sly</i>	L627
Effects of inhibition of catalase and superoxide dismutase activity on antioxidant enzyme mRNA levels <i>B. Maitre, L. Jornot, and A. F. Junod</i>	L636
<hr/>	
<i>Subject Index to Volume 9</i>	L645
<i>Author Index to Volume 9</i>	L651

CORRIGENDA

Volume 262, March 1992

Volume 6, March 1992

Pages L263-L269: Hershenson, Marc B., Shahriar Aghili, Naresh Punjabi, Claudia Hernandez, Daniel W. Ray, Allan Garland, Seymour Glagov, and Julian Solway. "Hyperoxia-induced airway hyperresponsiveness and remodeling in immature rats." Page 264: right-hand column, 2nd paragraph in the RESULTS section, the first sentence, with corrected values, should read: There was no difference in baseline R_{rs} between air-exposed and O_2 -exposed rats (control, $n = 20$, $0.348 \pm 0.212 \text{ cmH}_2\text{O} \cdot \text{ml}^{-1} \cdot \text{s}$; hyperoxia, $n = 19$, $0.252 \pm 0.078 \text{ cmH}_2\text{O} \cdot \text{ml}^{-1} \cdot \text{s}$; NS). Since all of our other calculations were based on *changes* in respiratory system resistance *relative to baseline*, the major findings and conclusions of the article are not altered by this calibration error.

American Journal of Physiology: Heart and Circulatory Physiology

No. 1. JULY 1993

EDITORIAL

Excellence: a magnificent obsession

H. J. Granger

H1

CARDIAC PHYSIOLOGY

Nitric oxide attenuates cardiac myocyte contraction

*A. J. B. Brady, J. B. Warren, P. A. Poole-Wilson,
T. J. Williams, and S. E. Harding*

H176

Effect of low-density lipoproteins, mevinolin, and G proteins on Ca^{2+} response in cultured chick atrial cells

*W. Tan, J. V. Barnett, D. Pietrobon, G. Hehn, C. Greiser,
J. D. Marsh, and J. B. Galper*

H191

Evidence for physiological functions of protein phosphatases in the heart: evaluation with okadaic acid

*J. Neumann, P. Boknik, S. Herzig, W. Schmitz, H. Scholz,
R. C. Gupta, and A. M. Watanabe*

H257

Activated complement directly modifies the performance of isolated heart muscle cells from guinea pig and rat

H.-J. Berger, A. Tarataska, T. W. Smith, and J. A. Halperin

H267

Catecholamines modulate protein turnover in cultured, quiescent rabbit cardiac myocytes

*R. S. Decker, M. G. Cook, M. M. Behnke-Barclay, M. L. Decker,
M. Lesch, and A. M. Samarel*

H329

Normal and hypertrophied senescent rat heart: mechanical and molecular characteristics

*S. Besse, P. Assayag, C. Delcayre, F. Carre, S.-L. Cheav,
Y. Lecarpentier, and B. Swynghedauw*

H183

Magnesium influences incorporation of [^3H]arachidonic acid in perfused rabbit hearts

M. T. Weis

H83

Ca^{2+} -dependent fluorescence transients and phosphate metabolism during low-flow ischemia in rat hearts

S. A. Camacho, V. M. Figueredo, R. Brandes, and M. W. Weiner

H114

Regulation of intracellular pH in the perfused heart by external HCO_3^- and Na^+ - H^+ exchange

*A. A. Grace, H. L. Kirschenlohr, J. C. Metcalfe, G. A. Smith, P. L. Weissberg,
E. J. Cragoe, Jr., and J. I. Vandenberg*

H289

Effect of adenosine on heart rate in isolated muskrat and guinea pig hearts

*T. A. McKean, H. Sterling, D. R. Streeby, A. E. Lynch,
C. Lacroix, and R. E. Vestal*

H307

Left ventricular adaptation to gradual renovascular hypertension in dogs

T. N. P. Nguyen, A. C. P. Chagas, and S. A. Glantz

H22

VIP and NPY in canine hearts. Distribution and effect of total and selective parasympathetic denervation

F. L. Anderson, G. R. Hanson, B. Reid, M. Thorpe, and A. C. Kralios

H91

Presynaptic effects of epinephrine on norepinephrine release from cardiac sympathetic nerves in dogs

G. Boudreau, F. Peronnet, J. De Champlain, and R. Nadeau

H205

Age-associated increase in rat cardiac opioid production

*M. O. Boluyt, A. Younes, J. L. Caffrey, L. O'Neill, B. A. Barron,
M. T. Crow, and E. G. Lakatta*

H212

Angiotensin II increases cardiac protein synthesis in adult rat heart

D. L. Geenen, A. Malhotra, and J. Scheuer

H238

Activation of cardiac sympathetic afferents: effects of exogenous adenosine and adenosine analogues

M. E. Dibner-Dunlap, T. Kinugawa, and M. D. Thames

H395

VASCULAR PHYSIOLOGY

Fluid shear stress stimulates platelet-derived growth factor expression in endothelial cells

M. Mitsumata, R. S. Fishel, R. M. Nerem, R. W. Alexander, and B. C. Berk

H3

Adenosine stimulates proliferation of human endothelial cells in culture

M. F. Ethier, V. Chander, and J. G. Dobson, Jr.

H131

Induction of heat shock response leads to apoptosis in endothelial cells previously exposed to endotoxin

T. G. Buchman, P. A. Abello, E. H. Smith, and G. B. Bulkley

H165

Dynamics of intracellular free Mg^{2+} changes in a vascular smooth muscle cell line

G. A. Quamme, L.-J. Dai, and S. W. Rabkin

H281

Endothelium, vasopressin receptors, and resistance to DOCA-salt hypertension

C. S. Bockman, W. B. Jeffries, W. A. Pettinger, and P. W. Abel

H15

Neutral axis location in bending and Young's modulus of different layers of arterial wall

Q. Yu, J. Zhou, and Y. C. Fung

H52

Albumin modulation of capillary permeability: role of endothelial cell $[Ca^{2+}]_i$

P. He and F. E. Curry

H74

Effects of hyperoncotic albumin on endothelial barrier properties of rat lung

R.-L. Qiao, X. Ying, and J. Bhattacharya

H198

Effects of collagenase, elastase, and hyaluronidase on mechanical properties of isolated dog jugular veins

T. Kitoh, Y. Kawai, and T. Ohhashi

H273

Dependence of endothelium-mediated relaxation on oxygen and metabolism in porcine coronary arteries

M. Hasimoto, L. A. Close, Y. Ishida, and R. J. Paul

H299

Myogenic tone is coupled to phospholipase C and G protein activation in small cerebral arteries. **(Rapid Communication)**

G. Osol, I. Laher, and M. Kelley

H415

Myocardial capillary diffusion capacity in rat hearts with cardiac hypertrophy due to pressure and volume overload

H. Wåhlander, B. Haraldsson, and P. Friberg

H61

Neural mechanism underlying basilar arterial constriction by intracisternal L-NNA in anesthetized dogs

N. Toda, K. Ayajiki, and T. Okamura

H103

Endotoxin induces metabolic dysregulation of vascular tone

J. C. Hershey and R. F. Bond

H108

Differences in EDNO contribution to arteriolar diameters at rest and during functional dilation in striated muscle

R. L. Hester, A. Eraslan, and Y. Saito

H146

Responses of cerebral arterioles in diabetic rats to activation of ATP-sensitive potassium channels

W. G. Mayhan and F. M. Faraci

H152

Topical hyperglycemia rapidly suppresses EDRF-mediated vasodilation of normal rat arterioles

H. G. Bohlen and J. M. Lash

H219

Sodium hyperosmolarity of intestinal lymph causes arteriolar vasodilation in part mediated by EDRF

J. M. Steenbergen and H. G. Bohlen

H323

Morphometry of pig coronary arterial trees

G. S. Kassab, C. A. Rider, N. J. Tang, and Y.-C. B. Fung

H350

Coronary arterial tree remodeling in right ventricular hypertrophy <i>G. S. Kassab, K. Imoto, F. C. White, C. A. Rider, Y.-C. B. Fung, and C. M. Bloor</i>	H366
Pressure-related capillary leukostasis following ischemia-reperfusion and hemorrhagic shock <i>P. Hansell, P. Borgström, and K.-E. Arfors</i>	H381
Altered cerebrovascular responsiveness to <i>N</i> -methyl-D-aspartate after asphyxia in piglets <i>D. W. Busija and M. Wei</i>	H389
Role of nitric oxide in leukotriene C ₄ -induced increases in microvascular transport. (Rapid Communication) <i>W. G. Mayhan</i>	H409
Endothelium-derived nitric oxide reduces baseline venous tone in awake instrumented rats <i>M. R. Glick, J. D. Gehman, and J. A. Gascho</i>	H47
Regulation of diaphragmatic oxygen uptake by endothelium-derived relaxing factor <i>H. Y. Chang, M. E. Ward, and S. N. A. Hussain</i>	H123
Ontogeny of Big endothelin-1 effects in newborn piglet pulmonary vasculature <i>S. Liben, D. J. Stewart, J. De Marte, and T. Perreault</i>	H139
5-Hydroxytryptamine dominates over thromboxane A ₂ in reducing collateral blood flow by activated platelets <i>W. Loots and F. De Clerck</i>	H158
Contribution of prostaglandins to exercise-induced vasodilation in humans <i>J. R. Wilson and S. C. Kapoor</i>	H171
Polyethylene glycol-conjugated superoxide dismutase in focal cerebral ischemia-reperfusion <i>Y. Y. He, C. Y. Hsu, A. M. Ezrin, and M. S. Miller</i>	H252
Limit to cardiac compensation during acute isovolemic hemodilution: influence of coronary stenosis <i>P. S. Levy, S.-J. Kim, P. K. Eckel, R. Chavez, E. F. Ismail, S. A. Gould, M. R. Salem, and G. J. Crystal</i>	H340
Increasing oxygen tension dilates fetal pulmonary circulation via endothelium-derived relaxing factor <i>M. H. Tikitsky and F. C. Morin III</i>	H376
Microvascular volume shift and fluid restitution induced by lower-body suction. (Letters to the Editor) <i>J. S. Lee; H. G. Hinghofer-Szalkay</i>	H425

INTEGRATIVE CARDIOVASCULAR PHYSIOLOGY

Baroreflex control of arterial and venous compliances and vascular capacity in hypertensive dogs <i>G. G. Bishop, K. Shigemitsu, J. P. Freeman, and M. J. Brunner</i>	H96
Effect of upright tilt on ventricular/vascular coupling in chronically instrumented primates <i>C. C. Tran, R. D. Latham, D. A. Self, J. W. Fanton, C. D. White, and R. W. Owens</i>	H244
Dependence of cardiac filling pressure on cardiac output during rest and dynamic exercise in dogs <i>D. D. Sherif, X. P. Zhou, A. M. Scher, and L. B. Rowell</i>	H316
Biologic role of atrial natriuretic factor clearance receptor in congestive heart failure <i>M. A. Perrella, L. L. Aarhus, D. M. Heublein, J. A. Lewicki, and J. C. Burnett, Jr.</i>	H401
Dietary sodium stimulates ouabainlike activity in adrenalectomized spontaneously hypertensive rats. (Rapid Communication) <i>F. H. H. Leenen, E. Harmsen, H. Yu, and B. Yuan</i>	H421
Fetal responses to acute maternal cocaine injection in sheep <i>C. A. Gleason, H. Iida, T. P. O'Brien, M. D. Jones, Jr., E. J. Cone, and R. J. Traystman</i>	H9
Age-dependent overflow of endogenous norepinephrine from paraventricular hypothalamic nucleus of hypertensive rats <i>J. M. Qualy and T. C. Westfall</i>	H39

Hemodynamic responses to graded lower body positive pressure <i>X. Shi, C. G. Crandall, and P. B. Raven</i>	H69
Differential blockade of central effects of angiotensin II by AT ₂ -receptor antagonists <i>R. E. Widdop, S. M. Gardiner, P. A. Kemp, and T. Bennett</i>	H226
Relationship of arterial compliance to baroreflex function in hypertensive patients <i>S. G. Lage, J. F. Polak, D. H. O'Leary, and M. A. Creager</i>	H232

No. 2. AUGUST 1993

CARDIAC PHYSIOLOGY

Spatial features of calcium transients during early and delayed afterdepolarizations <i>M. Miura, N. Ishide, H. Oda, M. Sakurai, T. Shinozaki, and T. Takishima</i>	H439
Sarcolemmal phospholipid asymmetry and Ca fluxes on metabolic inhibition of neonatal rat heart cells <i>J. A. Post, J. R. Clague, and G. A. Langer</i>	H461
Thapsigargin inhibits Ca ²⁺ uptake, and Ca ²⁺ depletes sarcoplasmic reticulum in intact cardiac myocytes <i>A. M. Janczewski and E. G. Lakatta</i>	H517
Repletion of sarcoplasmic reticulum Ca after ryanodine in rat ventricular myocytes <i>W. H. duBell, B. Lewartowski, H. A. Spurgeon, H. S. Silverman, and E. G. Lakatta</i>	H604
Electrically stimulated contraction accelerates protein synthesis rates in adult feline cardiocytes <i>C. T. Ivester, R. L. Kent, H. Tagawa, H. Tsutsui, T. Imamura, G. Cooper IV, and P. J. McDermott</i>	H666
Enhanced receptor-dependent inositol phosphate accumulation in hypoxic myocytes <i>S. F. Steinberg and A. Alter</i>	H691
Adult rat ventricular myocytes cultured in defined medium: phenotype and electromechanical function (Special Communication) <i>Ø. Ellingsen, A. J. Davidoff, S. K. Prasad, H.-J. Berger, J. P. Springhorn, J. D. Marsh, R. A. Kelly, and T. W. Smith</i>	H747
A method for isolating rabbit atrioventricular node myocytes, which retain normal morphology and function (Special Communication) <i>J. C. Hancox, A. J. Levi, C. O. Lee, and P. Heap</i>	H755
Glucose use in neonatal rabbit hearts reperfused after global ischemia <i>T. Itoi, L. Huang, and G. D. Lopaschuk</i>	H427
A method of determining electrical potential gradient across mitochondrial membrane in perfused rat hearts <i>B. Wan, C. Doumen, J. Duszynski, G. Salama, and K. F. LaNoue</i>	H445
Effects of cardiac work on electrical potential gradient across mitochondrial membrane in perfused rat hearts <i>B. Wan, C. Doumen, J. Duszynski, G. Salama, T. C. Vary, and K. F. LaNoue</i>	H453
Biaxial mechanical properties of passive and tetanized canine diaphragm <i>R. K. Strumpf, J. D. Humphrey, and F. C. P. Yin</i>	H469
Adenosine inhibition of β -adrenergic induced responses in aged hearts <i>J. G. Dobson, Jr. and R. A. Fenton</i>	H494
Collagen characterization in volume-overload- and pressure-overload-induced cardiac hypertrophy in minipigs <i>J. Harper, E. Harper, and J. W. Covell</i>	H434
Increase in endogenous antioxidant enzymes protects hearts against reperfusion injury <i>L. A. Kirshenbaum and P. K. Singal</i>	H484
Effect of adenosine receptor blockade: preventing protective preconditioning depends on time of initiation <i>J. D. Thornton, C. S. Thornton, and J. M. Downey</i>	H504
Effects of hypertension and coronary constriction on cardiac function, morphology, and contractile proteins in rats <i>P. Anversa, P. Li, A. Malhotra, X. Zhang, M. V. Herman, and J. M. Capasso</i>	H713

VASCULAR PHYSIOLOGY

- Pertussis toxin-induced ADP ribosylation of inhibitor G proteins alters vagal control of heart rate in vivo
P. B. Adamson, S. S. Hull, Jr., E. Vanoli, G. M. De Ferrari, P. Wisler, R. D. Foreman, A. M. Watanabe, and P. J. Schwartz H734
- Influence of endothelial surface on flow velocity in vitro
W. H. Reinhart, C. M. Boulanger, T. F. Lüscher, A. Haeberli, and P. W. Straub H523
- Time-dependent rheological behavior of blood at low shear in narrow vertical tubes
C. Alonso, A. R. Pries, and P. Gaehtgens H553
- Calcium entry, mobilization, and extrusion in postcapillary venular endothelium exposed to bradykinin
M. Ziche, D. Zawieja, R. K. Hester, and H. Granger H569
- Cellular signaling responses mediated by a novel nucleotide receptor in rabbit microvessel endothelium
R. J. Mannix, T. Moatter, K. A. Kelley, and M. E. Gerritsen H675
- Age-related changes in endothelium-dependent hyperpolarization in the rat mesenteric artery
K. Fujii, S. Ohmori, M. Tominaga, I. Abe, Y. Takata, Y. Ohya, K. Kobayashi, and M. Fujishima H509
- Permeability to albumin in isolated coronary venules
Y. Yuan, W. M. Chilian, H. J. Granger, and D. C. Zawieja H543
- Role of ATP-sensitive K⁺ channels in CGRP-induced dilatation of basilar artery in vivo
T. Kitazono, D. D. Heistad, and F. M. Faraci H581
- Vascular endothelial growth factor induces EDRF-dependent relaxation in coronary arteries
D. D. Ku, J. K. Zaleski, S. Liu, and T. A. Brock H586
- Oxygen modulation of pulmonary arterial prostacyclin synthesis is developmentally regulated
P. W. Shaul, M. A. Farrar, and R. R. Magness H621
- Neuropeptide Y potentiates contractile response to norepinephrine in skate coronary artery
C. Bjønning, S. Holmgren, and A. P. Farrell H661
- Superoxide anion production by rabbit thoracic aorta: effect of endothelium-derived nitric oxide
P. J. Pagano, K. Tornheim, and R. A. Cohen H707
- Plasmalemmal vesicles represent the large pore system of continuous microvascular endothelium
D. Predescu and G. E. Palade H725
- Free cytosolic Ca²⁺ measured with Ca²⁺-selective electrodes and fura 2 in rat mesenteric resistance arteries (**Special Communication**)
P. E. Jensen, M. J. Mulvany, C. Aalkjær, H. Nilsson, and H. Yamaguchi H741
- Endothelium-dependent vasorelaxing activity of wine and other grape products (**Rapid Communication**)
D. F. Fitzpatrick, S. L. Hirschfield, and R. G. Coffey H774
- Stimulated leukocyte adhesion in coronary microcirculation is reduced by a calcium antagonist
P. F. McDonagh and M. J. Rauzzino H476
- Relationship between capillary and systemic venous PO₂ during nonhypoxic and hypoxic ventilation
J. C. Stein, C. G. Ellis, and M. L. Ellsworth H537
- NK₁ receptors mediate tachykinin-induced increase in microvascular clearance in hamster cheek pouch
X.-P. Gao, R. A. Robbins, R. M. Snider, J. Lowe III, S. I. Rennard, P. Anding, and I. Rubinstein H593
- Regional differences in the mechanism of action of oxygen on hamster arterioles
W. F. Jackson H599

Capillary perfusion during incomplete forebrain ischemia and reperfusion in rat brain <i>H. Theilen, H. Schröck, and W. Kuschinsky</i>	H642
Preconditioning protects coronary arteriolar endothelium from ischemia-reperfusion injury <i>D. V. DeFily and W. M. Chilian</i>	H700
Regional blood flow in canine atria during exercise <i>R. P. Bauman, J. C. Rembert, and J. C. Greenfield, Jr.</i>	H629
Control of resting bronchial hemodynamics in the awake dog <i>E. Hennessy, S. White, T. van der Touw, A. Quail, W. Porges, and P. Glenfield</i>	H649

INTEGRATIVE CARDIAC PHYSIOLOGY

Role of α -adrenergic mechanisms on responses to area postrema stimulation and circulating vasopressin <i>E. M. Hasser and V. S. Bishop</i>	H530
Arterial compliance and its control by baroreflex in hypertensive dogs <i>M. J. Brunner, G. G. Bishop, and K. Shigem</i>	H616
Cardiac effects of injections of epinephrine into the spinal intermediolateral column <i>V. K. Malhotra, A. Kachroo, and H. N. Sapru</i>	H633
Electrophysiological-anatomic correlates of ATP-triggered vagal reflex in dogs <i>A. Pelleg, C. M. Hurt, J. M. Soler-Baillo, and M. Polansky</i>	H681
Calcitonin gene-related peptide mediates hypotension and tachycardia in endotoxic rats (Rapid Communication) <i>P. C. Hüttemeier, E. F. Ritter, and H. Benveniste</i>	H767
Excitatory amino acid receptors within NTS mediate arterial chemoreceptor reflexes in rats (Rapid Communication) <i>W. Zhang and S. W. Mifflin</i>	H770
Mechanisms of control of skin blood flow during prolonged exercise in humans <i>D. L. Kellogg, Jr., J. M. Johnson, W. L. Kenney, P. E. Pérgola, and W. A. Kosiba</i>	H562
Stress and cocaine elicit similar cardiac output responses in individual rats (Rapid Communication) <i>M. M. Knuepfer, C. A. Branch, P. J. Mueller, and Q. Gan</i>	H779

No. 3. SEPTEMBER 1993

CARDIAC PHYSIOLOGY

Variable effects of endothelin-1 on $[Ca^{2+}]_i$ transients, pH_i , and contraction in ventricular myocytes <i>O. Kohmoto, H. Ikenouchi, Y. Hirata, S.-I. Momomura, T. Serizawa, and W. H. Barry</i>	H793
Rapid expression of the Na^+-Ca^{2+} exchanger in response to cardiac pressure overload (Rapid Communication) <i>R. L. Kent, J. D. Rozich, P. L. McCollam, D. E. McDermott, U. F. Thacker, D. R. Menick, P. J. McDermott, and G. Cooper IV</i>	H1024
TBA test and "free" MDA assay in evaluation of lipid peroxidation and oxidative stress in tissue systems (Letters to the Editor) <i>D. Lapenna and F. Cuccurullo; C. Ceconi</i>	H1030
Use of 2,3-butanedione monoxime to estimate nonmechanical $\dot{V}O_2$ in rabbit hearts <i>H. Yaku, B. K. Slinker, T. Mochizuki, B. H. Lorell, and M. M. LeWinter</i>	H834
Adenosine and insulin mediate glucose uptake in normoxic rat hearts by different mechanisms <i>D. A. Angello, R. M. Berne, and N. M. Coddington</i>	H880
Lack of modulation by dietary unsaturated fats on sympathetic neurotransmission in rat hearts <i>X.-J. Du, A. M. Dart, and R. A. Riemersma</i>	H886
Impact of ejection on magnitude and time course of ventricular pressure-generating capacity <i>D. Burkhoff, P. P. de Tombe, and W. C. Hunter</i>	H899

- Ejecting deactivation does not affect O₂ consumption-pressure-volume area relation in dog hearts
O. Kawaguchi, Y. Goto, S. Futaki, Y. Ohgoshi, H. Yaku, K. Hata, T. Takasago, A. Saeki, and H. Suga H934
- Temporal sequence of endotoxin-induced systolic and diastolic myocardial depression in rabbits
J. Hung and W. Y. W. Lew H810
- In vivo B₂-receptor-mediated negative chronotropic effect of bradykinin in canine sinus node
C. Ribuot, D. Godin, R. Couture, D. Regoli, and R. Nadeau H876
- Curvilinearity of LV end-systolic pressure-volume and dP/dt_{max}-end-diastolic volume relations
T. Noda, C.-P. Cheng, P. P. de Tombe, and W. C. Little H910
- Release of vasoactive intestinal peptide and neuropeptide Y from canine heart
F. L. Anderson, A. C. Kralios, B. Reid, and G. R. Hanson H959
- Validity of thermal dilution technique for measurement of cardiac output in rats (**Special Communication**)
G. Kissling, C. Ross, and M. Brändle H1007

VASCULAR PHYSIOLOGY

- Trypsin kinase inhibitors suppress endotoxin- and IL-1 β -induced NO synthesis in aortic smooth muscle cells (**Rapid Communication**)
N. Marczin, A. Papapetropoulos, and J. D. Catravas H1014
- Vasoconstriction and increased flow: two principal mechanisms of shear stress-dependent endothelial autacoid release
M. Hecker, A. Mülsch, E. Bassenge, and R. Busse H828
- Functional role of Ca²⁺-activated K⁺ channels in resting state of carotid arteries from SHR
M. Asano, K. Masuzawa-Ito, T. Matsuda, Y. Imaizumi, M. Watanabe, and K. Ito H843
- Hyperpolarization of in situ rat saphenous vein in response to axial stretch
E. Monos, S. J. Contney, G. Dörnyei, A. W. Cowley, Jr., and W. J. Stekiel H857
- Monkey cerebral arterial relaxation caused by hypercapnic acidosis and hypertonic bicarbonate
N. Toda, K. Ayajiki, M. Enokibori, and T. Okamura H929
- Nitric oxide does not mediate the attenuated pulmonary vascular reactivity of chronic pneumonia
A. Yaghi, N. A. M. Paterson, and D. G. McCormack H943
- Endothelial cell dysfunction occurs very early following trauma-hemorrhage and persists despite fluid resuscitation
P. Wang, Z. F. Ba, and I. H. Chaudry H973
- Antagonism of LTD₄-evoked relaxation in canine renal artery and vein
J. R. Pawloski and B. M. Chapnick H980
- Differential actions of cAMP on endothelial [Ca²⁺]_i and permeability in microvessels exposed to ATP (**Rapid Communication**)
P. He and F. E. Curry H1019
- Effect of an increase in systemic blood pressure on nailfold capillary pressure in humans
A. C. Shore, D. D. Sandeman, and J. E. Tooke H820
- Selective brain cooling increases cortical cerebral blood flow in rats
J. W. Kuluz, R. Prado, J. Chang, M. D. Ginsberg, C. L. Schleien, and R. Busto H824
- Changes in rat mesentery interstitial matrix due to superfusate
B. J. Barber, R. A. Babbitt, S. Dutta, and S. Parameswaran H852
- Nitric oxide prevents leukocyte adherence: role of superoxide
J. Gaboury, R. C. Woodman, D. N. Granger, P. Reinhardt, and P. Kubes H862
- Glomerular atrial natriuretic factor receptors in experimental congestive heart failure
R. Isnard, A. Carayon, J. Eurin, G. Maistre, N. Bouanani, C. Barthelemy, B. Crozatier, M. Komajda, and J.-C. Legrand H923

- Postural vascular response in human skin: passive and active reactions to alteration of transmural pressure
H. Jepsen and P. Gaehtgens H949
- Transient analysis of macromolecular transport across microvascular wall and into interstitium
D. Kim, P. M. Armenante, and W. N. Durán H993
- Impaired regional subendocardial coronary flow reserve in conscious dogs with pacing-induced heart failure
R. P. Shannon, K. Komamura, Y.-T. Shen, S. P. Bishop, and S. F. Vatner H801
- Resistance to O₂ diffusion in anemic red muscle: roles of flux density and cell PO₂
C. R. Honig and T. E. J. Gayeski H868
- Effect of acetylcholine infusion on adrenal vasculature and catecholamine secretion
J. R. Tobin, M. J. Breslow, and R. J. Traystman H966

INTEGRATIVE CARDIOVASCULAR PHYSIOLOGY

- Norepinephrine levels in paraventricular nucleus of spontaneously hypertensive rats: role of neuropeptide Y
N. D. Woo, K. Mukherjee, and P. K. Ganguly H893
- Localization of central pressor action of bradykinin in medulla oblongata
D. R. Fior, D. T. O. Martins, and C. J. Lindsey H1000
- Role of sympathetic nerves in the vascular effects of local temperature in human forearm skin
P. E. Pérgola, D. L. Kellogg, Jr., J. M. Johnson, W. A. Kosiba, and D. E. Solomon H785
- Carotid baroreflex responsiveness to lower body positive pressure-induced increases in central venous pressure
X. Shi, J. T. Potts, B. H. Foresman, and P. B. Raven H918
- Arterial pressure-flow relationships in hypertensive dogs: effect of carotid sinus baroreflex
M. J. Brunner, G. G. Bishop, K. Shigemitsu, J. P. Freeman, and D. Chung H986

No. 4. OCTOBER 1993

CARDIAC PHYSIOLOGY

- Inwardly rectifying potassium current in rat fetal and neonatal ventricular cardiomyocytes
H. Masuda and N. Sperelakis H1107
- Regulation of cardiac mitochondrial calcium by average extramitochondrial calcium
J. R. Leisey, L. W. Grotyohann, D. A. Scott, and R. C. Scaduto, Jr. H1203
- Sodium current in isolated human ventricular myocytes
Y. Sakakibara, T. Furukawa, D. H. Singer, H. Jia, C. L. Backer, C. E. Arentzen, and J. A. Wasserstrom H1301
- Effects of ischemia on sarcoplasmic reticulum and contractile myofilament activity in human myocardium
G. B. Luciani, A. D'Agnolo, A. Mazzucco, V. Gallucci, and G. Salviati H1334
- Effects of PDE inhibitors and carbachol on the L-type Ca current in guinea pig ventricular myocytes
K. Mubagwa, T. Shirayama, M. Moreau, and A. J. Pappano H1353
- A direct negative inotropic effect of acetylcholine on rat ventricular myocytes
S. O. McMorn, S. M. Harrison, W.-J. Zang, X.-J. Yu, and M. R. Boyett H1393
- Transient outward current in young and adult diseased human atria (**Rapid Communication**)
J. Mansourati and B. Le Grand H1466
- Possible paracrine facilitation of ventricular growth in oculo by atrial tissue
T. C. Love and D. C. Tucker H1082
- Mechanisms of isoproterenol-induced atrial natriuretic peptide release from superfused rabbit atria
C. Azizi, A. Carayon, F. Masson, E. Noé, C. Barthelemy, J. Eurin, G. Maistre, and J. C. Legrand H1283

- A comparison of cyclopiazonic acid and ryanodine effects on cardiac muscle relaxation
N. Pery-Man, D. Chemla, C. Coirault, I. Suard, B. Riou, and Y. Lecarpentier H1364
- Vagal-mediated atrial premature beats: a computer model
R. T. Whitney and G. J. Rozanski H1195
- Adenosine deaminase inhibitors attenuate ischemic injury and preserve energy balance in isolated guinea pig heart
G. S. Sandhu, A. C. Burrier, and D. R. Janero H1249
- Rate-dependent functional properties of retrograde atrioventricular nodal conduction in experimental animals
G. O'Hara, R. Gendreau, J. Billette, F. Amellal, M. Nayeypour, M. Talajic, and S. Nattel H1257
- Adrenoceptor mechanism involved in thiopental-epinephrine-induced arrhythmias in dogs
Y. Hayashi, T. Kamibayashi, K. Sumikawa, A. Yamatodani, M. Kuro, and I. Yoshiya H1380
- Comparison of normal, hypodynamic, and hyperdynamic mouse hearts using isolated work-performing heart preparations
I. L. Grupp, A. Subramaniam, T. E. Hewett, J. Robbins, and G. Grupp H1401
- An optical device to measure the dynamics of apex rotation of the left ventricle (**Special Communication**)
C. A. Gibbons Kroeker, H. E. D. J. Ter Keurs, M. L. Knudtson, J. V. Tyberg, and R. Beyar H1444
- Left ventricular energetics in closed-chest dogs
S. D. Prabhu and G. L. Freeman H1048
- Exhaustion of Frank-Starling mechanism in conscious dogs with heart failure
K. Komamura, R. P. Shannon, T. Ihara, Y.-T. Shen, I. Mirsky, S. P. Bishop, and S. F. Vatner H1119

VASCULAR PHYSIOLOGY

- Mitogenic effects of ATP on vascular smooth muscle cells vs. other growth factors and sympathetic cotransmitters
D. Erlinge, H. Yoo, L. Edvinsson, D. J. Reis, and C. Wahlestedt H1089
- Regulation of Na-K-ATPase gene expression by aldosterone in vascular smooth muscle cells
A. Oguchi, U. Ikeda, T. Kanbe, Y. Tsuruya, K. Yamamoto, K. Kawakami, R. M. Medford, and K. Shimada H1167
- Manganese-superoxide dismutase in endothelial cells: localization and mechanism of induction
K. Suzuki, H. Tatsumi, S. Satoh, T. Senda, T. Nakata, J. Fujii, and N. Taniguchi H1173
- Downregulation of C-receptor by natriuretic peptides via ANP-B receptor in vascular smooth muscle cells
I. Kishimoto, K. Nakao, S.-I. Suga, K. Hosoda, T. Yoshimasa, H. Itoh, and H. Imura H1373
- Modulation of coronary smooth muscle K_{Ca} channels by G_{α} independent of phosphorylation by protein kinase A (**Rapid Communication**)
F. S. Scornik, J. Codina, L. Birnbaumer, and L. Toro H1460
- Pulmonary endothelial nitric oxide production is developmentally regulated in the fetus and newborn
P. W. Shaul, M. A. Farrar, and R. R. Magness H1056
- Role of adrenergic tone in mechanical and functional properties of carotid artery during aging
A. Benetos, F. Huguet, P. Albaladejo, A.-M. Brisac, M. Pappo, M. E. Safar, and B. I. Levy H1132
- Endothelium-derived contracting and relaxing factors contribute to hypoxic responses of pulmonary arteries
K. L. Kovitz, T. D. Aleskowitch, J. T. Sylvester, and N. A. Flavahan H1139
- Effect of muscle length on the in vitro comparison of femoral arteries before and after endotoxin shock
Z. Zhou, J. M. Price, E. T. Sutton, and C. H. Baker H1160

Reduced Na ⁺ -K ⁺ pump activity in diabetic rabbit carotid artery: reversal by aldose reductase inhibition	
<i>B. Tesfamariam, S. Gupta, P. J. Oates, N. B. Ruderman, and R. A. Cohen</i>	H1189
Kallikrein release by vascular tissue	
<i>H. Nolly, O. A. Carretero, and A. G. Scicli</i>	H1209
Angiotensin enhances acetylcholine-induced relaxation and inhibits intimal hyperplasia after vascular injury	
<i>J. T. Light, J. A. Bellan, I.-L. Chen, L. L. Longenecker, W. A. Murphy, D. H. Coy, P. J. Kadowitz, and D. B. McNamara</i>	H1265
Inhibition by a stable factor derived from neutrophils of endothelium-dependent relaxation in rat aorta (Rapid Communication)	
<i>J. J. Liu, J. R. Chen, J. Wiley, C. C. Johnston, and B. F. Buxton</i>	H1454
Effect of tetanic myocardial contraction on coronary pressure-flow relationships	
<i>J. Z. Livingston, J. R. Resar, and F. C. P. Yin</i>	H1215
Evidence for sensing and integration of biological signals by the capillary network	
<i>H. Song and K. Timpl</i>	H1235
Importance of venular flow in control of arteriolar diameter in hamster cremaster muscle	
<i>Y. Saito, A. Eraslan, and R. L. Hester</i>	H1294
Effects of cardiac contraction and cavity pressure on myocardial blood flow	
<i>J. W. Doucette, M. Goto, A. E. Flynn, R. E. Austin, Jr., W. K. Hussein, and J. I. E. Hoffman</i>	H1342
Arteriolar dilation mediated by capsaicin and calcitonin gene-related peptide in rats	
<i>C. B. White, A. M. Roberts, and I. G. Joshua</i>	H1411
Microvessel PO ₂ measurements by phosphorescence decay method (Special Communication)	
<i>I. P. Torres Filho and M. Intaglietta</i>	H1434
Effect of local change in O ₂ saturation of hemoglobin on cerebral vasodilation from hypoxia and hypotension (Special Communication)	
<i>E. P. Wei, R. S. Randad, J. E. Levasseur, D. J. Abraham, and H. A. Kontos</i>	H1439
Enhanced oxygenation in vivo by allosteric inhibitors of hemoglobin saturation (Special Communication)	
<i>S. R. Khandelwal, R. S. Randad, P.-S. Lin, H. Meng, R. N. Pittman, H. A. Kontos, S. C. Choi, D. J. Abraham, and R. Schmidt-Ullrich</i>	H1450
Rapid measurements of diastolic intramyocardial vascular volume	
<i>R. M. Judd, J. R. Resar, and F. C. P. Yin</i>	H1038
Adrenergic and pressure-dependent vascular regulation in sedentary and trained rats	
<i>J. M. Lash, T. Reilly, M. Thomas, and H. G. Bohlen</i>	H1064
Purine metabolic pathways in rat hindlimb perfusion model during ischemia and reperfusion	
<i>B. Soussi, K. Lagerwall, J.-P. Idström, and T. Scherstén</i>	H1074
Mechanical determinants of coronary blood flow during dynamic alterations in myocardial contractility	
<i>L. J. Mulligan, D. Escobedo, and G. L. Freeman</i>	H1112
Guanethidine chemical sympathectomy: spinal cord and sciatic nerve blood flow	
<i>Y. Kinoshita and W. W. Monafo</i>	H1155
Acute exercise enhances nitric oxide modulation of vascular response to phenylephrine	
<i>R. D. Patil, S. E. DiCarlo, and H. L. Collins</i>	H1184
Is rapid rise in vascular conductance at onset of dynamic exercise due to muscle pump?	
<i>D. D. Sheriff, L. B. Rowell, and A. M. Scher</i>	H1227
Local cerebral blood flow and glucose utilization after blood exchange with a hemoglobin-based O ₂ carrier in conscious rats	
<i>K. Waschke, H. Schröck, D. M. Albrecht, K. Van Ackern, and W. Kuschinsky</i>	H1243
Adenosine contributes to hypoxia-induced vasodilation through ATP-sensitive K ⁺ channel activation	
<i>N. Nakhostine and D. Lamontagne</i>	H1289
Endothelin-1 produces pulmonary vasodilation in the intact newborn lamb	
<i>J. Wong, P. A. Vanderford, J. R. Fineman, R. Chang, and S. J. Soifer</i>	H1318

Regulation of glycolytically fueled Ca^{2+} uptake in smooth muscle plasmalemmal vesicles by phosphorylation

C. D. Hardin, C. Zhang, E. G. Kranias, N. A. E. Steenaart,
L. Raeymaekers, and R. J. Paul

H1326

Modulation of calcium homeostasis in cultured rat aortic endothelial cells by intracellular acidification

R. C. Ziegelstein, L. Cheng, P. S. Blank, H. A. Spurgeon, E. G. Lakatta,
R. G. Hansford, and M. C. Capogrossi

H1424

INTEGRATIVE CARDIOVASCULAR PHYSIOLOGY

Connections between the pontine reticular formation and rostral ventrolateral medulla

A. V. Krassioukov and L. C. Weaver

H1386

Unilateral carotid-cardiac baroreflex responses in humans

J. W. Williamson and P. B. Raven

H1033

Circulatory and metabolic effects of β -adrenergic blockade in the hyperinsulinemic ovine fetus

B. S. Stonestreet, E. Le, and D. J. Berard

H1098

Arterial baroreceptors and brain histamine contribute to bradycardia to peripheral hyperosmolality

M. J. Kenney and S. L. Bealer

H1149

Attenuation of postexertional hypotension by cardiac afferent blockade

H. L. Collins and S. E. DiCarlo

H1179

Pressure-independent baroreflex resetting produced by chronic infusion of angiotensin II in rabbits

V. L. Brooks, K. R. Ell, and R. M. Wright

H1275

Influence of vagotomy on the baroreflex sensitivity in anesthetized dogs with experimental heart failure

W. Wang, M. Brändle, and I. H. Zucker

H1310

Neuropeptide Y infusion improves hemodynamics and survival in rat endotoxic shock

G. J. Hauser, A. K. Myers, E. K. Dayao, and Z. Zukowska-Grojec

H1416

No. 5. NOVEMBER 1993

CARDIAC PHYSIOLOGY

Effects of 2,3-butanedione monoxime on sarcoplasmic reticulum of saponin-treated rat cardiac muscle

D. S. Steele and G. L. Smith

H1493

Paracrine effects of endocardial endothelial cells on myocyte contraction mediated via endothelin (**Rapid Communication**)

A. Mebazaa, E. Mayoux, K. Maeda, L. D. Martin, E. G. Lakatta,
J. L. Robotham, and A. M. Shah

H1841

Effects of isoproterenol on myocardial relaxation rate: influence of the level of load

N. Coudray, J.-P. Beregi, Y. Lecarpentier, and D. Chemla

H1645

Ischemic cardioprotection by ATP-sensitive K^+ channels involves high-energy phosphate preservation

C. D. McPherson, G. N. Pierce, and W. C. Cole

H1809

Lidocaine attenuates both mechanical and metabolic changes induced by hydrogen peroxide in the rat heart

A. Hara, H. Matsumura, and Y. Abiko

H1478

Intracellular calcium chelator, BAPTA-AM, prevents cocaine-induced ventricular fibrillation

G. E. Billman

H1529

Interaction of hypokalemia and ventricular dilatation in isolated rabbit hearts

M. J. Reiter, D. E. Mann, and G. R. Williams

H1544

Pyruvate enhances recovery of rat hearts after ischemia and reperfusion by preventing free radical generation

L. W. V. DeBoer, P. A. Bekx, L. Han, and L. Steinke

H1571

- Impulse propagation in the Purkinje system and myocardium of intact dogs
S. A. Ben-Haim, D. G. Cable, T. E. Rath, L. Carmen, and J. B. Martins H1588
- Myocardial metabolism in chronic reperfusion after nontransmural infarction in pig hearts
A. J. Liedtke, B. Renstrom, S. H. Nellis, R. Subramanian, and G. Woldegiorgis H1614
- Resetting of regional preload due to ventricular shape change alters diastolic and systolic performance
S. Yamaguchi, Y. Tamada, H. Miyawaki, Y. Niida, A. Fukui, M. Shirakabe, I. Ohta, K. Tsuiki, and H. Tomoike H1629
- Left ventricular unloading decreases the rate of isovolumic right ventricular pressure decline
C. D. Brown, E. Chow, and D. J. Farrar H1663
- Relative roles of intracellular Ca^{2+} and pH in shaping the myocardial contractile response to acute respiratory alkalosis
H. Kusuoka, P. H. Backx, M. C. Camilion de Hurtado, M. Azan-Backx, E. Marban, and H. E. Cingolani H1696
- Renin-angiotensin system and minoxidil-induced cardiac hypertrophy in rats
M. Ruzicka and F. H. H. Leenen H1551
- Fractal structure underlying patterns of premature heart beats
R. De Paola, H.-X. Wang, and W. I. Norwood H1603
- Arrhythmogenic effects of catecholamines are decreased in heart failure induced by rapid pacing in dogs
H. G. Li, D. L. Jones, R. Yee, and G. J. Klein H1654
- Endothelin-1 exacerbates diastolic stunning in conscious dogs
W. Hayashida, J. Donckier, H. Van Mechelen, L. Stoleru, and H. Pouleur H1688
- An animal model of dilated cardiomyopathy: characterization of dihydropyridine receptors and contractile performance
E. J. Gruver, M. G. Glass, J. D. Marsh, and J. K. Gwathmey H1704
- Echocardiographic volume flow and stenosis severity measures with changing flow rate in aortic stenosis
I. G. Burwash, A. D. Forbes, M. Sadahiro, E. D. Verrier, A. S. Pearlman, R. Thomas, C. Kraft, and C. M. Otto H1734
- Mechanisms of volume-induced increase in left ventricular contractility
W. Y. W. Lew H1778

VASCULAR PHYSIOLOGY

- Coronary artery acidosis: pH and calcium pump stability
A. K. Grover and S. E. Samson H1486
- Characterization of α -adrenoceptor gene expression in arterial and venous smooth muscle
P. Ping and J. E. Faber H1501
- Venoconstriction to endothelin-1 in humans: role of calcium and potassium channels
W. G. Haynes and D. J. Webb H1676
- Endothelium-dependent and -independent responses to severe hypoxia in rat pulmonary artery
B. Greenberg and S. Kishiyama H1712
- Involvement of the "tethered ligand" receptor in thrombin-induced endothelium-mediated relaxations
B. Tesfamariam, G. T. Allen, D. Normandin, and M. J. Antonaccio H1744
- Analysis of shear stress and hemodynamic factors in a model of coronary artery stenosis and thrombosis
J. Strony, A. Beaudoin, D. Brands, and B. Adelman H1787
- Distribution of microvascular pressure in arteriolar vessel trees of ventilated rabbit lungs
G. E. H. Kuhnle, A. R. Pries, and A. E. Goetz H1510
- Capillary filtration during acute inflammation: role of adherent neutrophils
N. R. Harris, J. N. Benoit, and D. N. Granger H1623

Leukocyte cytoskeletal structure determines capillary plugging and network resistance <i>A. G. Harris and T. C. Skalak</i>	H1670
Cell and oxygen flow in arterioles controlling capillary perfusion <i>I. H. Sarelius</i>	H1682
Adenosine and cerebrovascular hyperemia during insulin-induced hypoglycemia in newborn piglet <i>V. J. Ruth, T. S. Park, E. R. Gonzales, and J. M. Gidday</i>	H1762
Right and left ventricular O ₂ uptake during hemodilution and β -adrenergic stimulation <i>G. J. Crystal, S.-J. Kim, and M. R. Salem</i>	H1769
Arteriolar tone is determined by activity of ATP-sensitive potassium channels <i>W. F. Jackson</i>	H1797
Diffusion permeability of the immature placenta of the rabbit embryo to inert hydrophilic molecules <i>J. J. Faber</i>	H1804
Mathematical model of blood flow in a coronary capillary (Modeling in Physiology) <i>G. Fibich, Y. Lanir, and N. Liron</i>	H1829
Inhibition of adenosine-mediated coronary vasodilation exacerbates myocardial ischemia during exercise <i>D. D. Laxson, D. C. Homans, and R. J. Bache</i>	H1471
Loss of hypoxic pulmonary vasoconstriction in chronic pneumonia is not mediated by nitric oxide <i>D. G. McCormack and N. A. M. Paterson</i>	H1523
Effects of intravenous pentafraction on lung and soft tissue liquid exchange in hypoproteinemic sheep <i>R. L. Conhaim, D. J. Rosenfeld, M. A. Schreiber, D. M. Baaske, and B. A. Harms</i>	H1536
Effects of hypothyroidism and hypertension on myocardial perfusion and vascularity in rabbits <i>R. J. Tomanek, P. A. Barlow, P. M. Connell, Y. Chen, and R. J. Torry</i>	H1638
Elevated diaphragmatic blood flow during submaximal exercise in rats with chronic heart failure <i>T. I. Musch</i>	H1721
C5a-induced myocardial ischemia: role for CD18-dependent PMN localization and PMN-platelet interactions <i>M. P. Fletcher, G. L. Stahl, and J. C. Longhurst</i>	H1750

INTEGRATIVE CARDIOVASCULAR PHYSIOLOGY

Potassium currents of neurons isolated from medial nucleus tractus solitarius <i>J. P. Moak and D. L. Kunze</i>	H1596
Effect of glutamate stimulation of bed nucleus of the stria terminalis on arterial pressure and heart rate <i>J. Ciriello and S. A. Janssen</i>	H1516
Effect of hypoxemia on the cardiovascular response to intracranial hypertension in postnatal lambs <i>M. L. Kearney, J. E. Backofen, R. C. Koehler, M. D. Jones, Jr., and R. J. Traystman</i>	H1557
Daily spontaneous running did not alter vagal afferent reactivity <i>T. J. Scislo, S. E. DiCarlo, and H. L. Collins</i>	H1564
Two-port analysis of systemic venous and arterial impedances <i>W. C. Rose and A. A. Shoukas</i>	H1577
Hemodynamic responses to paraventricular nucleus disinhibition with bicuculline in conscious rats <i>D. S. Martin and J. R. Haywood</i>	H1727
Why does pulmonary venous pressure rise after onset of LV dysfunction: a theoretical analysis (Modeling in Physiology) <i>D. Burkhoff and J. V. Tyberg</i>	H1819

CARDIAC PHYSIOLOGY

- Thyroxine effects on temperature dependence of ionic currents in single rabbit cardiac myocytes
Y. Shimoni and H. Banno H1875
- Cytosolic calcium transients in myocytes isolated from rats with ischemic heart failure
J. M. Capasso, P. Li, and P. Anversa H1953
- Sarcoplasmic reticulum-related changes in cytosolic calcium in pressure-overload-induced feline LV hypertrophy
B. A. Bailey and S. R. Houser H2009
- Computer model of membrane current and intracellular Ca^{2+} flux in the isolated guinea pig ventricular myocyte
C. Nordin H2117
- Cardiac desensitization to adenosine analogues after prolonged R-PIA infusion in vivo
H. T. Lee, C. I. Thompson, A. Hernandez, J. L. Lewy, and F. L. Belloni H1916
- Endothelin-1 enhances cross-bridge function of ferret myocardium: role of second messengers
J. Wang, K. Flemal, and J. P. Morgan H2168
- Adaptation speed of cardiac mitochondrial oxygen consumption decreases with higher heart rate
M. H. J. Eijgelshoven, J. B. Hak, J. H. G. M. van Beek, and N. Westerhof H1893
- ANP has no postsynaptic effect on autonomic regulation of cardiac pacemaker rate in the rat
D. J. Atchison, P. S. Pennefather, and U. Ackermann H1983
- NMR measurements of Na^+ and cellular energy in ischemic rat heart: role of Na^+-H^+ exchange
M. M. Pike, C. S. Luo, M. D. Clark, K. A. Kirk, M. Kitakaze, M. C. Madden, E. J. Cragoe, Jr., and G. M. Pohost H2017
- Dynamics of myocardial lactate efflux after a step in heart rate in isolated rabbit hearts
J. B. Hak, J. H. G. M. van Beek, M. H. van Wijhe, and N. Westerhof H2081
- Hemodynamic and mechanical determinants of myocardial O_2 consumption in normal human heart: effects of dobutamine
J.-L. J. Vanoverschelde, W. Wijns, B. Essamri, A. Bol, A. Robert, D. Labar, M. Cogneau, C. Michel, and J. A. Melin H1884
- Ventriculographic evaluation in three rat models of cardiac dysfunction
X.-P. Yang, H. N. Sabbah, Y.-H. Liu, V. G. Sharov, E. J. Mascha, I. Alwan, and O. A. Carretero H1946
- Physiology of cardiac tamponade and paradoxical pulse in conscious dogs
M. A. Savitt, G. S. Tyson, J. R. Elbeery, C. H. Owen, J. W. Davis, M. P. Feneley, D. D. Glower, and J. S. Rankin H1996
- Ventricular interaction and septal deformation: a model compared with experimental data
R. Beyar, S.-J. Dong, E. R. Smith, I. Belenkie, and J. V. Tyberg H2044
- Determinants of midwall circumferential segmental length of the canine ventricular septum at end diastole
S.-J. Dong, R. Beyar, Z.-N. Zhou, G. H. Fick, E. R. Smith, and J. V. Tyberg H2057
- Echocardiographic assessment of LV mass in rabbits: models of pressure and volume overload hypertrophy
J. F. Plehn, E. Foster, W. N. Grice, M. Huntington-Coats, and C. S. Apstein H2066
- Reductions of myocardial Na -K-ATPase activity and ouabain binding sites in heart failure: prevention by nadolol
T.-H. M. Fan, R. P. Frantz, H. Elam, S. Sakamoto, N. Imai, and C.-S. Liang H2086
- Rigorous exercise training increases superoxide dismutase activity in ventricular myocardium
S. K. Powers, D. Criswell, J. Lawler, D. Martin, F.-K. Lieu, L. L. Ji, and R. A. Herb H2094

End-systolic pressure length relations of stunned right and left ventricles after inotropic stimulation

*R. Krams, L. K. Soei, E. O. McFalls, E. A. Winkler Prins,
L. M. A. Sassen, and P. D. Verdouw*

H2099

VASCULAR PHYSIOLOGY

Regulation of L-arginine synthesis from L-citrulline by L-glutamine in endothelial cells
G. Wu and C. J. Meininger

H1965

Inhibition of platelet aggregation and the stimulation of prostacyclin synthesis by insulin in humans

N. N. Kahn, W. A. Bauman, V. B. Hatcher, and A. K. Sinha

H2160

Metabolic inhibition enhances Ca^{2+} -activated K^+ current in smooth muscle cells of rabbit portal vein

A. L. Miller, E. Morales, N. R. Leblanc, and W. C. Cole

H2184

Enhanced myogenic activation in skeletal muscle arterioles from spontaneously hypertensive rats

J. C. Falcone, H. J. Granger, and G. A. Meininger

H1847

ANG II reverses selective inhibition of α_2 -adrenoceptor sensitivity after in vitro isolation of arterioles

K. Ikeoka and J. E. Faber

H1988

NO is more important than PGI_2 in maintaining low vascular tone in feto-placental vessels

G. Chaudhuri, J. Cuevas, G. M. Buga, and L. J. Ignarro

H2036

Role of endothelium in sexual dimorphism in vasopressin-induced contraction of rat aorta

J. N. Stallone

H2073

Endothelin-1 and -3 cause endothelium-dependent hyperpolarization in the rat mesenteric artery

M. Nakashima and P. M. Vanhoutte

H2137

Inhibitory role of capsaicin-sensitive afferent neurons and nitric oxide in hemostasis
I. T. Lippe, W. Sametz, K. Sabin, and P. Holzer

H1864

Sieving of electrolytes at capillary wall of cat skeletal muscle by osmotic water flow
P. D. Watson

H1869

Nitric oxide-induced microvascular permeability alterations: a regulatory role for cGMP
P. Kubes

H1909

Cyclic nucleotides and cerebrovascular tone in newborn pigs

H. Parfenova, M. Shibata, S. Zuckerman, R. Mirro, and C. W. Leffler

H1972

Role of L-arginine-derived nitric oxide in cholinergic dilation of gastric arterioles
R. Y. Z. Chen, G. Ross, K.-Y. Chyu, and P. H. Guth

H2110

Nicotine increases microvascular blood flow and flow velocity in three groups of brain areas

*F.-J. Hans, L. Wei, D. Bereczki, V. Acuff, J. Demaro9, J.-L. Chen, T. Otsuka,
C. Patlak, and J. Fenstermacher*

H2142

A vascular transport operator (**Modeling in Physiology**)

R. B. King, A. Deussen, G. M. Raymond, and J. B. Bassingthwaighe

H2196

Nitric oxide contributes to dilatation of cerebral arterioles during seizures (**Rapid Communication**)

F. M. Faraci, K. R. Breese, and D. D. Heistad

H2209

Response of arterial resistance and critical pressure to changes in perfusion pressure in canine hindlimb

I. Shrier and S. Magder

H1939

Vasopressin and oxytocin: modulators of neurohypophysial blood flow

P. D. Hurn, D. A. Wilson, R. B. Hansen, D. F. Hanley, and R. J. Traystman

H2027

Spontaneous pressure-flow patterns in the kidney of conscious rats

S. Skarlatos, P. J. Metting, and S. L. Britton

H2151

INTEGRATIVE CARDIOVASCULAR PHYSIOLOGY

Continuous pulmonary C-fiber stimulation produces sustained reflex cardiovascular depression

E. R. Schertel and D. A. Allen

H1856

α -Adrenergic-mediated reflex responses to induced muscular contraction are changed with age in dogs

G. C. Haidet

H1899

Carotid baroreflex responsiveness during dynamic exercise in humans

J. T. Potts, X. R. Shi, and P. B. Raven

H1928

Progressive loss of vasodilator responsive component of pulmonary hypertension in neonatal calves exposed to 4,570 m

A. G. Durmowicz, E. C. Orton, and K. R. Stenmark

H2175

Subject Index to Volume 34

H2213

Author Index to Volume 34

H2229

CORRIGENDA

Volume 265, October 1993

Volume 34, October 1993

Pages H1082–H1088: Timothy C. Love and Diane C. Tucker. "Possible paracrine facilitation of ventricular growth in oculo by atrial tissue." Page H1085: Figure 3 should appear as follows.

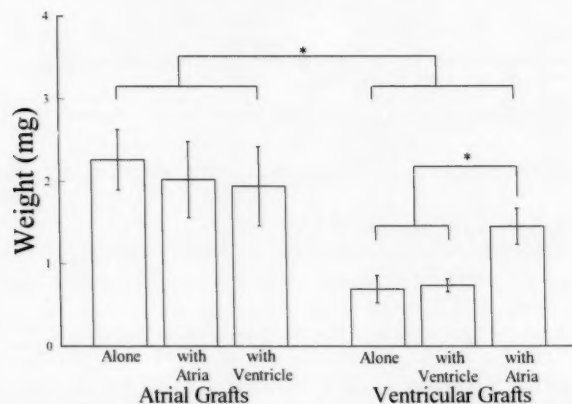


Fig. 3. Mass of grafts after 8 wk in oculo is presented as wet weight (means \pm SE). Atrial grafts achieved a larger mass than ventricular grafts after 8 wk in oculo. Ventricular grafts cocultured with an atrial graft achieved a larger mass than ventricular grafts cultured alone or with another ventricular graft (* $P < 0.001$).

American Journal of Physiology: Regulatory, Integrative and Comparative Physiology

KEY TO CATEGORIES: 1. Comparative Physiology *Regulation and Integration in:* 2. Autonomic Physiology; 3. Behavior; 4. Cardiovascular Physiology; 5. Endocrinology; 6. Energetics; 7. Fluids and Electrolytes; 8. Functional Morphology; 9. Ingestion; 10. Periodicity; 11. Respiration; 12. Temperature

No. 1. JULY 1993

CATEGORY

- | | | |
|--------|---|------|
| 2,4,5 | Adrenal medulla as a mediator of diet-induced hypertension
<i>L. N. Kaufman, H.-Y. Li, M. M. Peterson, and A. K. Gildard</i> | R1 |
| 7,10 | Angiotensin-converting enzyme inhibition and Na appetite: microbehavioral analysis and nycthemeral physiology
<i>N. E. Rowland, T. M. Nicholson, and J. C. Smith</i> | R7 |
| 4,2 | Inhibition of chemoreceptor inputs to nucleus of tractus solitarius neurons during baroreceptor stimulation
<i>S. W. Mifflin</i> | R14 |
| 5,9,2 | Adrenalectomy of the obese Zucker rat: effects on the feeding response to enterostatin and specific mRNA levels
<i>S. Okada, T. Onai, G. Kilroy, D. A. York, and G. A. Bray</i> | R21 |
| 2,4,5 | Effects of nifedipine and BAY K 8644 on stimulation-induced adrenal catecholamine secretion in the dog
<i>R. Gaspo, N. Yamaguchi, and J. de Champlain</i> | R28 |
| 2,4 | Somatic and visceral inputs to neurons of the rostral ventrolateral medulla
<i>R. Ermirio, P. Ruggeri, C. Molinari, and L. C. Weaver</i> | R35 |
| 1,6 | Response of protein synthesis to anoxia and recovery in anoxia-tolerant hepatocytes
<i>S. C. Land, L. T. Buck, and P. W. Hochachka</i> | R41 |
| 11,7,2 | Anoxia-tolerant hepatocytes: model system for study of reversible metabolic suppression
<i>L. T. Buck, S. C. Land, and P. W. Hochachka</i> | R49 |
| 1,7 | ANP inhibits NaCl absorption and elicits Cl secretion in porcine colon: evidence for cGMP and Ca mediation
<i>R. A. Argenzio and M. Armstrong</i> | R57 |
| 1,7 | DPC blockade of transepithelial chloride absorption and single anion channels in teleost urinary bladder
<i>W. Chang and C. A. Loretz</i> | R66 |
| 5,4 | Effect of elevated atrial pressure on plasma renin activity in hypotensive fetal lambs
<i>A. U. Sheikh, L. K. Washburn, R. K. Jaekle, and J. C. Rose</i> | R76 |
| 4,2,3 | Raphe pallidus excites a unique class of sympathetic preganglionic neurons
<i>S. F. Morrison</i> | R82 |
| 4,7 | Endothelin-induced natriuresis and diuresis are pressure-dependent events in the rat
<i>K. Uzuner and R. O. Banks</i> | R90 |
| 7 | Effect of outflow pressure on lymphatic pumping in vitro
<i>J. Eisenhoffer, R. M. Elias, and M. G. Johnston</i> | R97 |
| 2,7 | Norepinephrine does not stimulate protein and UCP synthesis in brown adipocytes of golden Syrian hamsters
<i>M. Desautels and R. A. Dulos</i> | R103 |
| 4,2 | Supramedullary inputs to cardiovascular neurons of rostral ventrolateral medulla in rats
<i>S. K. Agarwal and F. R. Calaresu</i> | R111 |
| 5 | Responses to catecholamines in perfused livers of hypothalamic-lesioned rats
<i>Y. Matsui, H. Ishibashi, K. Kimura, M. Shiota, M. Ohta, and T. Sugano</i> | R117 |
| 1,4,5 | Single-pass gill extraction and tissue distribution of atrial natriuretic peptide in trout
<i>K. R. Olson and D. W. Duff</i> | R124 |
| 2,4 | Effects of capsaicin on micturition and associated reflexes in rats
<i>C.-L. Cheng, C.-P. Ma, and W. C. de Groat</i> | R132 |
| 5,7 | Fate of circulating amino-terminal propeptide of type III procollagen in conscious pigs
<i>L. T. Jensen, J. H. Henriksen, J. Risteli, H. P. Olesen, M. D. Nielsen, and I. Lorenzen</i> | R139 |

- 5,2,3 Energy balance and lipid metabolism in transgenic mice bearing an antisense GCR gene construct
D. Richard, S. Chapdelaine, Y. Deshaies, M.-C. Pépin, and N. Barden R146
- 12,5 Possible involvement of brain oxytocin in modulating vasopressin antipyretic action
P. Poulin and Q. J. Pittman R151
- 6 Metabolism and energetics in squid (*Illex illecebrosus*, *Loligo pealei*) during muscular fatigue and recovery
H. O. Pörtner, D. M. Webber, R. K. O'Dor, and R. G. Boutilier R157
- 6 Acute phase response in exercise. III. Neutrophil and IL-1 β accumulation in skeletal muscle
R. A. Fielding, T. J. Manfredi, W. Ding, M. A. Fiatarone, W. J. Evans, and J. G. Cannon R166
- 7 Volume-regulatory amino acid transport in erythrocytes of the little skate, *Raja erinacea*
J. K. Haynes and L. Goldstein R173
- 4,5 High blood pressure maintenance in transgenic *mRen-2* vs. Lyon genetically hypertensive rats
M. Lo, I. A. Medeiros, J. J. Mullins, D. Ganten, C. Barres, C. Cerutti, M. Vincent, and J. Sassard R180
- 4,2 Cerebrovasodilation elicited by fastigial stimulation is preserved under deep halothane anesthesia
C. Iadecola, F. Zhang, and X. Xu R187
- 2,4,5 Carotid baroreflex control during hemorrhage in conscious and anesthetized dogs
B. P. Geerdes, K. L. Frederick, and M. J. Brunner R195
- 5,7 Hormonal, fluid, and electrolyte responses of sheep during chronic intravenous infusion of epidermal growth factor
C. B. Gow, P. A. Phillips, K. D. Chandler, and G. P. M. Moore R203
- 3,5,9 Chronic alcohol consumption increases sensitivity to the anorexic effect of cholecystokinin
S. C. Weatherford, D. P. Figlewicz, C. R. Park, and S. C. Woods R211
- 3,9 Integration of oral habituation and gastric signals in decerebrate rat pups
S. E. Swithers-Mulvey and W. G. Hall R216
- 4,2 Vasopressin, renin, and cortisol responses to hemorrhage during acute blockade of cardiac nerves in conscious dogs
C. P. O'Donnell, L. C. Keil, and T. N. Thrasher R220
- 2,4,12 Effects of centrally and systemically administered indomethacin on body temperature in exercising rats
H. Tanaka, M. Yanase-Fujiwara, and K. Kanosue R230
- 2,9,8 Meal-induced *c-fos* expression in brain stem is not dependent on cholecystokinin release
K. A. Fraser and J. S. Davison R235
- 5,2 Reanalysis of the rat proestrous LH surge by deconvolution analysis
J. D. Veldhuis, M. L. Johnson, and R. V. Gallo R240
- 2,5 Autonomic control of pancreatic polypeptide and glucagon secretion during neuroglucopenia and hypoglycemia in mice
P. J. Havel, J. O. Akpan, D. L. Curry, J. S. Stern, R. L. Gingerich, and B. Ahren R246
- 1,5 Glucagon and insulin regulate lipolysis in trout liver by altering phosphorylation of triacylglycerol lipase
J. S. Harmon, L. M. Rieniets, and M. A. Sheridan R255
- 5,10,3 The circadian melatonin and cortisol secretion pattern in permanent night shift workers
M. Roden, M. Koller, K. Pirich, H. Vierhapper, and F. Waldhauser R261

No. 2. AUGUST 1993

CATEGORY

- 2,4,11 Laryngeal afferent inputs to the nucleus of the solitary tract
S. W. Mifflin R269
- 1,7 Inhibition of brain calcium channels by plasma proteins from anoxic turtles
P. E. Bickler and S. M. Gallego R277
- 7 Carrier-mediated transport of lactic acid in cultured neurons and astrocytes
M. Nedergaard and S. A. Goldman R282

- 4,7 Effects of renal receptor stimulation on neurons within the ventrolateral medulla of the cat
M. A. Vizzard, A. Standish, and W. S. Ammons R290
- 5 Subfornical organ efferents to paraventricular nucleus utilize angiotensin as a neurotransmitter
Z. Li and A. V. Ferguson R302
- 1,4,6 Influence of extent of muscle shortening and heart rate on work from frog heart trabeculae
D. A. Syme R310
- 9,3 Intragastric glucose but not fructose conditions robust flavor preferences in rats
A. Sclafani, C. Cardieri, K. Tucker, D. Blusk, and K. Ackroff R320
- 2 Induction of *c-fos* expression in spinal neurons by nociceptive and nonnociceptive stimulation of LUT
L. A. Birder and W. C. de Groat R326
- 5 Enhanced response of muscle protein synthesis and plasma insulin to food intake in suckled rats
T. A. Davis, M. L. Fiorotto, H. V. Nguyen, and P. J. Reeds R334
- 7 Mechanisms of potassium transfer across the dually perfused rat placenta
T. Mohammed, J. Štulc, J. D. Glazier, R. D. H. Boyd, and C. P. Sibley R341
- 1,5 GABA stimulation of gonadotropin-II release in goldfish: involvement of GABA_A receptors, dopamine, and sex steroids
V. L. Trudeau, B. D. Sloley, and R. E. Peter R348
- 12 Impairment of insulin action on peripheral glucose uptake and hepatic glucose production in tumor-bearing rats
C. H. Lang, N. Skrepnik, C. Dobrescu, and A. H. Burns R356
- 2,4,5 Effect of exercise training on RSNA, baroreflex control, and blood pressure responsiveness
C. E. Negrão, M. C. Irigoyen, E. D. Moreira, P. C. Brum, P. M. Freire, and E. M. Krieger R365
- 5,9 Endogenous cholecystokinin in the control of gastric emptying of liquid nutrient loads in rhesus monkeys
T. H. Moran, P. J. Ameglio, G. J. Schwartz, H. J. Peyton, and P. R. McHugh R371
- 5,9 Experimental cachexia: effects of MCA sarcoma in the Fischer rat
B. K. Smith, C. A. Conn, and M. J. Kluger R376
- 2 Biphasic intracellular redistribution of α_1 -adrenergic receptors in rat liver during sepsis
T.-L. Hwang, Y.-T. Lau, M.-F. Chen, C. Tang, and M.-S. Liu R385
- 2,7,4 Role of intrarenal ANG II in reflex neural stimulation of plasma renin activity and renal sodium reabsorption
L. D. Nelson and J. L. Osborn R392
- 4,5,7 Serum immunoreactive erythropoietin and red blood cell mass during pregnancy in conscious rats
G. O. Del Valle, M. D. Mosher, and K. P. Conrad R399
- 1,4 Role of decreased plasma volume in hematocrit alterations during incremental treadmill exercise in horses
K. H. McKeever, K. W. Hinchcliff, S. M. Reed, and J. T. Robertson R404
- 1,4 Splenectomy alters blood pressure response to incremental treadmill exercise in horses
K. H. McKeever, K. W. Hinchcliff, S. M. Reed, and R. L. Hamlin R409
- 1,6 Selective retention of essential fatty acids: the role of hepatic monoacylglycerol acyltransferase
T. Xia, N. Mostafa, B. G. Bhat, G. L. Florant, and R. A. Coleman R414
- 9,3 Rapid alterations of hypothalamic and hippocampal bombesin-like peptide levels with feeding status
Z. Merali and C. C. Kateb R420
- 1,4,7 Vascular effects of arginine vasotocin in toad skin
G. M. Malvin R426
- 11 Role of μ_1 - and δ -opioid receptors in modulation of fetal EEG and respiratory activity
P. Y. Cheng, D. Wu, Y. Soong, S. McCabe, J. A. Decena, and H. H. Szeto R433
- 1,7 Neuropeptide Y inhibits chloride secretion in the shark rectal gland
P. Silva, F. H. Epstein, K. J. Karnaky, Jr., S. Reichlin, and J. N. Forrest, Jr. R439

- 5 Exercise, unlike insulin, promotes glucose transporter translocation in obese Zucker rat muscle
P. A. King, J. J. Betts, E. D. Horton, and E. S. Horton R447
- 2 Central interferon- α inhibits natural killer cytotoxicity through sympathetic innervation
S. Take, T. Mori, T. Katafuchi, and T. Hori R453
- 4,5,7 Vasopressin-independent alterations in renal water excretion in quadriplegia
B. M. Wall, H. H. Williams, D. N. Presley, J. T. Crofton, L. Share, and C. R. Cooke R460
- 3,10 Effects of long-term restricted feeding on motor activity rhythm in the rat
T. Cambras, J. Vilaplana, and A. Díez-Noguera R467

RAPID COMMUNICATION

- 1,5 High-density localization of ANP receptors in chondrocytes of eel gill cartilage
H. Sakaguchi, T. Katafuchi, H. Hagiwara, Y. Takei, and S. Hirose R474

No. 3. SEPTEMBER 1993

CATEGORY

- 9,3 Cholecystokinin octapeptide analogues suppress food intake via central CCK-A receptors in mice
Y. Hirose, A. Inui, A. Teranishi, M. Miura, M. Nakajima, M. Okita, Y. Nakajima, N. Himori, S. Baba, and M. Kasuga R481
- 2,7 Skeletal muscle Ca^{2+} flux and catabolic response during sepsis
J. Bhattacharyya, K. D. Thompson, and M. M. Sayeed R487
- 11,2 Ventilatory CO_2 -induced optical activity changes of cat ventral medullary surface
X.-W. Dong, D. Gozal, D. M. Rector, and R. M. Harper R494
- 2,3,10 Differential timing of amino acid and 5-HIAA rhythms in suprachiasmatic hypothalamus
J. D. Glass, U. E. Hauser, J. L. Blank, M. Selim, and M. A. Rea R504
- 12 Role of hypothalamic interleukin-6 and tumor necrosis factor- α in LPS fever in rat
J. J. Klir, J. Roth, Z. Szélenyi, J. L. McClellan, and M. J. Kluger R512
- 1,5 Nitric oxide and superoxide in cultured cells: limited production and influence on DNA synthesis
C. Firnhaber and M. E. Murphy R518
- 2,4,5 Role of V_1 receptors in the action of vasopressin on the baroreflex control of heart rate
J. Luk, I. Ajaelo, V. Wong, J. Wong, D. Chang, L. Chou, and I. A. Reid R524
- 4,2,9 Nonadrenergic noncholinergic autonomic mediation of pressor response to feeding in lambs
S. A. Jones, B. L. Langille, S. Frise, and S. L. Adamson R530
- 2 A comparison of inhibitory effects of neuropeptide Y on rat urinary bladder, urethra, and vas deferens
J. Zoubek, G. T. Somogyi, and W. C. de Groat R537
- 2,7 Role of prostaglandins in renal sensory receptor activation by substance P and bradykinin
U. C. Kopp and L. A. Smith R544
- 5 Insulin-mediated glycogen synthase activity in muscle of spontaneously insulin-resistant and diabetic rhesus monkeys
H. K. Ortmeier, N. L. Bodkin, and B. C. Hansen R552
- 5,6,9 Tamoxifen antagonizes the effects of estradiol on energy balance and estrous behavior in Syrian hamsters
G. N. Wade and J. B. Powers R559
- 3,5,6 Energy balance in pregnant hamsters: a role for voluntary exercise?
A. J. Bhatia and G. N. Wade R563
- 4 Endothelium-derived relaxing factor responses in DOCA-salt hypertensive rats
K. A. Kirchner, P. H. Scanlon, Jr., D. J. Zielak, and R. L. Hester R568
- 4,5 Cardiovascular actions of dogfish urotensin II in the dogfish *Scyliorhinus canicula*
N. Hazon, C. Bjénning, and J. M. Conlon R573

- 5,6 Norepinephrine- and insulin-resistant glucose transport in brown adipocytes from diabetic SHR/N-cp rats
A. Marette, P. Mauriège, J.-P. Després, O. L. Tulp, and L. J. Bukowiecki R577
- 7,4 Atrial natriuretic factor counteracts sodium-retaining actions of insulin in normal men
J. A. Miller, S. Abouchacra, B. Zinman, K. L. Skorecki, and A. G. Logan R584
- 3,4,9 Role of arterial baroreceptor input on thirst and urinary responses to intracerebroventricular angiotensin II
R. L. Thunhorst, S. J. Lewis, and A. K. Johnson R591
- 2,4,7 Autonomic modulation of ovine fetal responses to atrial natriuretic factor infusion
L. A. Bayer, C. Y. Cheung, and R. A. Brace R596
- 2,3,9 Abdominal vagotomy dissociates the anorectic mechanisms for peripheral serotonin and cholecystokinin
K. Eberle-Wang, P. Levitt, and K. J. Simansky R602
- 2,5,7 Gastric vagus mediates immobilization-induced hypocalcemia in rats
J. Ma, S. Aou, H. Matsui, and T. Hori R609
- 12 Anti-TNF- α antibodies normalized body temperature and enhanced food intake in tumor-bearing rats
B. K. Smith and M. J. Kluger R615
- 9,3 Blockade of type A, but not type B, CCK receptors postpones satiety in rhesus monkeys
T. H. Moran, P. J. Ameglio, H. J. Peyton, G. J. Schwartz, and P. R. McHugh R620
- 4,2 Cardiovascular consequences of microinjection of vasopressin and angiotensin II in the area postrema
V. L. Lowes, L. E. McLean, N. W. Kasting, and A. V. Ferguson R625
- 1,5 Plasma catecholamine and corticosterone and their in vitro effects on lizard skeletal muscle lactate metabolism
T. T. Gleeson, P. M. Dalessio, J. A. Carr, S. J. Wickler, and R. S. Mazzeo R632
- 5,3 Increased uteroplacental production of prostaglandin E_2 during ethanol infusion
A. D. Bocking, K. R. Sinervo, G. N. Smith, L. Carmichael, J. R. G. Challis, D. M. Olson, and J. F. Brien R640
- 6,11,12 Antioxidant defenses in the tolerance of freezing and anoxia by garter snakes
M. Hermes-Lima and K. B. Storey R646
- 2,12 Kinetics of systemic and intrahypothalamic IL-6 and tumor necrosis factor during endotoxin fever in guinea pigs
J. Roth, C. A. Conn, M. J. Kluger, and E. Zeisberger R653
- 4,2 Modulation of in situ canine intrinsic cardiac neuronal activity by nicotinic, muscarinic, and β -adrenergic agonists
M. H. Huang, F. M. Smith, and J. A. Armour R659
- 7 Asymmetrical transfer of inert hydrophilic solutes across rat placenta
J. Štulc and B. Štulková R670
- 1,12,6 Postnatal development of uncoupling protein, uncoupling protein mRNA, and GLUT4 in adipose tissues of goats
P. Trayhurn, M. E. A. Thomas, and J. S. Keith R676
- 6,2 Involvement of central vs. peripheral mechanisms in mediating sympathoadrenal activation in endotoxic rats
Z. Z. Zhou and S. B. Jones R683
- 12,5,7 α_2 -Adrenoceptor antagonism attenuates the diuretic response to acute cold exposure
D. E. Allen and M. Gellai R689
- 7 Brain lactate and pH dissociation in edema: 1H - and ^{31}P -NMR in collagenase-induced hemorrhage in rats
S. Mun-Bryce, F. O. Kroh, J. White, and G. A. Rosenberg R697
- 7,2 Intestinal lymphatic pressure increases during intravenous infusions in awake sheep
R. E. Drake, Z. Anwar, S. Kee, and J. C. Gabel R703

SPECIAL COMMUNICATION

- 1,3,10 A quantitative method for classification of EEG in the fetal baboon
M. M. Myers, R. I. Stark, W. P. Fifer, P. G. Grieve, J. Haiken, K. Leung, and K. F. Schulze R706

INVITED REVIEW

- | | | |
|---------|---|------|
| 1,4 | The heart works against gravity
<i>R. S. Seymour, A. R. Hargens, and T. J. Pedley</i> | R715 |
| <hr/> | | |
| 1,12 | Physiological responses of freeze-tolerant and -intolerant frogs: clues to evolution of anuran freeze tolerance
<i>J. P. Costanzo, R. E. Lee, Jr., and P. H. Lortz</i> | R721 |
| 4,5,8 | Pioglitazone attenuates hypertension and inhibits growth of renal arteriolar smooth muscle in rats
<i>R. K. Dubey, H. Y. Zhang, S. R. Reddy, M. A. Boegehold, and T. A. Kotchen</i> | R726 |
| 2 | Reflex vasodilatation in the cat lip elicited by stimulation of nasal mucosa by chemical irritants
<i>H. Izumi and K. Karita</i> | R733 |
| 5 | Modulation of systemic interleukin-6 induction by central interleukin-1
<i>M. G. De Simoni, A. De Luigi, L. Gemma, M. Sironi, A. Manfredi, and P. Ghezzi</i> | R739 |
| 2 | Control of bilateral seminal emissions from ejaculatory ducts by a lumbar splanchnic nerve
<i>K. Kihara, K. Sato, M. Ando, T. Morita, and H. Oshima</i> | R743 |
| 1,10 | Development of meadow voles is influenced postnatally by maternal photoperiodic history
<i>T. M. Lee</i> | R749 |
| 2,5 | Plasma epinephrine appearance and clearance rates in fetal and newborn sheep
<i>H. Stein, K. Oyama, A. Martinez, B. Chappell, and J. Padbury</i> | R756 |
| 1,6 | Plasma β -hydroxybutyrate after octanoate challenge: attenuated ketogenic capacity in neonatal swine
<i>S. H. Adams and J. Odle</i> | R761 |
| 2,4,5 | In vivo evidence for adrenal catecholamine release mediated by nonnicotinic mechanism: local medullary effect of VIP
<i>N. Yamaguchi</i> | R766 |
| 1,4 | The effect of pregnancy on the response to the $\text{TxA}_2/\text{PGH}_2$ analogue U-46619 in rabbits
<i>G. Losonczy, I. Mucha, J. DiPirro, J. Sweeney, G. Brown, J. Brentjens, and R. Venuto</i> | R772 |
| 12,10,6 | Circadian rhythms of thermoregulation in the squirrel monkey (<i>Saimiri sciureus</i>)
<i>E. L. Robinson, V. H. Demaria-Pesce, and C. A. Fuller</i> | R781 |
| 5 | Determinants of fasting hypertriglyceridemia in ventromedial hypothalamic obesity in rats
<i>S. Inoue, S. Satoh, K. Tanaka, Y. Takamura, and T. Murase</i> | R786 |
| 2,4 | Effects of anesthesia on cardiac and renal sympathetic nerve activities and plasma catecholamines
<i>K. Matsukawa, I. Ninomiya, and N. Nishiura</i> | R792 |
| 4,2 | Decreased potency of contraction to α -adrenoceptor stimulation in renal arteries from obese hypertensive dogs
<i>P. H. Ratz, D. B. West, and J. P. Granger</i> | R798 |
| 1,2 | Primary structures and effects on gastrointestinal motility of tachykinins from the rainbow trout
<i>J. Jensen, K. R. Olson, and J. M. Conlon</i> | R804 |
| 11,4,2 | Time-dependent phrenic nerve responses to carotid afferent activation: intact vs. decerebellate rats
<i>F. Hayashi, S. K. Coles, K. B. Bach, G. S. Mitchell, and D. R. McCrimmon</i> | R811 |
| 5,7 | Effect of CO_2/pH on the aldosterone response to hypoxia in bovine adrenal cells in vitro
<i>H. Raff and B. Jankowski</i> | R820 |
| 4,7,5 | Blood pressure effects of iontophoretically applied bioactive hormones in the anterior forebrain of the rat
<i>S. N. Thornton and S. Nicolaidis</i> | R826 |

- 2,4,5 Effect of a central CRF antagonist on cardiovascular and thermoregulatory responses induced by stress or IL-1 β
T. Nakamori, A. Morimoto, and N. Murakami R834
- 5 Hypothalamic peptide regulation of ACTH secretion from sheep pituitary
R. J. Kemppainen, T. P. Clark, J. L. Sartin, and C. A. Zerbe R840
- 1,5,10 Conservation of photoperiod-responsive mechanisms in humans
T. A. Wehr, D. E. Moul, G. Barbato, H. A. Giesen, J. A. Seidel, C. Barker, and C. Bender R846
- 4,5 Fetal ACTH and blood pressure responses to thromboxane mimetic U-46619
C. E. Wood, T. A. Cudd, C. Kane, and K. Engelke R858
- 1,5,11 Augmented glucoregulatory hormone concentrations during exhausting exercise in mildly iron-deficient rats
B. A. Zinker, P. R. Dallman, and G. A. Brooks R863
- 9,2,3 Gastric loads and cholecystokinin synergistically stimulate rat gastric vagal afferents
G. J. Schwartz, P. R. McHugh, and T. H. Moran R872
- 3,5,9 Interleukin-8 modulates feeding by direct action in the central nervous system
C. R. Plata-Salamán and J. P. Borkoski R877
- 2,4,5 Unaltered cerebral blood flow during hypoglycemic activation of the sympathochromaffin system in humans
W. J. Powers, P. J. Boyle, I. B. Hirsch, and P. E. Cryer R883
- 9,3 Postpyloric stimuli are necessary for the normal control of meal size in real feeding and sham feeding rats
J. D. Davis, G. P. Smith, and J. Miesner R888
- 2,5,9 Differential effects of proteinase inhibitor camostat on exocrine pancreas in fed and fasted rats
M. Otsuki, S. Tani, M. Fujii, T. Nakamura, Y. Okabayashi, and M. Koide R896
- 4,7 Renal response to atrial stretch during pregnancy in conscious rats
S. Kaufman and Y. Deng R902
- 3,12 An IL-1 receptor and an IL-1 receptor antagonist attenuate muramyl dipeptide- and IL-1-induced sleep and fever
L. Imeri, M. R. Opp, and J. M. Krueger R907
- 2,4 Modulation of in situ canine intrinsic cardiac neuronal activity by locally applied adenosine, ATP, or analogues
M. H. Huang, C. Sylvén, A. Pelleg, F. M. Smith, and J. A. Armour R914
- 2,4,5 Alterations in brain hexokinase activity associated with heart failure in rats
K. P. Patel, P. L. Zhang, and T. L. Krukoff R923
- 1,6 Reduced ionic conductance in turtle brain
C. J. Doll, P. W. Hochachka, and P. B. Reiner R929
- 4,5,7 Arginine vasopressin produces renal vasodilation via V₂ receptors in conscious dogs
M. Naitoh, H. Suzuki, M. Murakami, A. Matsumoto, A. Ichihara, H. Nakamoto, Y. Yamamura, and T. Saruta R934
- 7,4,1 Impairment of renal function precedes establishment of hypertension in spontaneously hypertensive rats
C. F. T. Ueyehara and M. Gellai R943
- 3,10,12 Torpor shortens the period of Siberian hamster circadian rhythms
E. M. Thomas, M. E. Jewett, and I. Zucker R951

SPECIAL COMMUNICATION

- 2,8,12 Genetic development of an inbred rat strain with increased resistance adaptation to a hot environment
F. Furuyama and K. Ohara R957

No. 5. NOVEMBER 1993

CATEGORY

INVITED REVIEW

- 7,4 Influence of the renal medullary circulation on the control of sodium excretion
R. J. Roman and A.-P. Zou R963

- 1,2 Effect of superhypercapnia on cortical pH_i and cortical blood flow
F. H. Tomlinson, R. E. Anderson, and F. B. Meyer R974
- 1,5 Transthyretin gene expression in choroid plexus first evolved in reptiles
M. G. Achen, W. Duan, T. M. Pettersson, P. J. Harms, S. J. Richardson, M. C. Lawrence, R. E. H. Wettenhall, A. R. Aldred, and G. Schreiber R982
- 2,7,8 Volume-activated K⁺ and Cl⁻ pathways of dissociated eccrine clear cells
G. Samman, M. Ohtsuyama, F. Sato, and K. Sato R990
- 9 Characterization of suppression of food intake following acute colon inflammation in the rat
K. McHugh, T. W. Castonguay, S. M. Collins, and H. P. Weingarten R1001
- 2,4,10 Lateral tegmental field neurons play a permissive role in governing the 10-Hz rhythm in sympathetic nerve discharge
S. M. Barman and G. L. Gebber R1006
- 1,11 Microcalorimetric measurement of reversible metabolic suppression induced by anoxia in isolated hepatocytes
L. T. Buck, P. W. Hochachka, A. Schön, and E. Gnaiger R1014
- 1,11 Anoxic suppression of Na⁺-K⁺-ATPase and constant membrane potential in hepatocytes: support for channel arrest
L. T. Buck and P. W. Hochachka R1020
- 2,4,10 Role of the brain stem in generating the 2- to 6-Hz oscillation in sympathetic nerve discharge
S. Zhong, Z.-S. Huang, G. L. Gebber, and S. M. Barman R1026
- 6,7,12 Adaptations of plasma membrane glucose transport facilitate cryoprotectant distribution in freeze-tolerant frogs
P. A. King, M. N. Rosholt, and K. B. Storey R1036
- 3,7,9 Endotoxin stimulates drinking in rats without changing dehydrational signals controlling thirst
K. Wang and M. D. Evered R1043
- 2,4 Role of periaqueductal gray in the pressor response produced by central injections of angiotensin II
L. R. Portis, S. J. Lewis, and M. J. Brody R1052
- 2,3,12 Cold-defense function of brown adipose tissue during sleep
M. Calasso, E. Zantedeschi, and P. L. Parmeggiani R1060
- 2,4 α_2 -Adrenoceptor-mediated inhibition of bulbospinal barosensitive cells of rat rostral medulla
A. M. Allen and P. G. Guyenet R1065
- 1,5,6 Skeletal muscle as the major site of nonshivering thermogenesis in cold-acclimated ducklings
C. Duchamp and H. Barré R1076
- 1,5,6 Increased role of skeletal muscle in the calorogenic response to glucagon of cold-acclimated ducklings
C. Duchamp, J. Chatonnet, A. Dittmar, and H. Barré R1084
- 2,9 Plasticity of autonomic control of emesis in irradiated ferrets
M. T. Makale and G. L. King R1092
- 1,5,7 Current-noise analysis of Na absorption in the embryonic coprodeum: stimulation by aldosterone and thyroxine
W. Clauss, B. Hoffmann, R. Krattenmacher, and W. Van Driessche R1100
- 5,12 Alterations in body fat stores and plasma insulin levels with daily intervals of heat exposure in Holtzman rats
C. J. De Souza and A. H. Meier R1109
- 5,12 Daily intervals of heat exposure alter the phase of the daily variation of plasma hormones in Holtzman rats
C. J. De Souza and A. H. Meier R1115
- 12 Role of prostaglandins in exercise-induced core temperature elevation in female Sprague-Dawley rats
P. J. Rowsey, K. T. Borer, and M. J. Kluger R1121
- 4,7 Role of endothelium-derived nitric oxide in control of renal microvasculature in aging male rats
J. F. Reckelhoff and R. D. Manning, Jr. R1126

- 4,2 Characterization of baroreflex impairment in conscious dogs with pacing-induced heart failure
N. B. Olivier and R. B. Stephenson R1132
- 1,6 Glucosidic pathways of glycogen breakdown and glucose production by muscle from postexercised frogs
P. A. Fournier and H. Guderley R1141
- 2,6,12 Sustained sleep deprivation impairs host defense
C. A. Everson R1148
- 2,4,5 Mechanisms underlying cardiovascular defense reaction evoked by dorsal periaqueductal gray stimulation
L. Watkins, A. Sherwood, D. S. Goldstein, and W. Maixner R1155
- 1,12,6 Effects of temperature on muscle pH_i and phosphate metabolites in newts and lungless salamanders
D. C. Johnson, C. T. Burt, W.-C. Perng, and B. M. Hitzig R1162
- 9,3,2 Lateral parabrachial subnucleus lesions abolish feeding induced by mercaptoacetate but not by 2-deoxy-D-glucose
N. Y. Calingasan and S. Ritter R1168
- 1,5,12 Fever and thermogenesis in response to bacterial endotoxin involve macrophage-dependent mechanisms in rats
R. H. DeRijk, P. J. L. M. Strijbos, N. van Rooijen, N. J. Rothwell, and F. Berkenbosch R1179
- 4,1,2 Central cardiovascular effects of joining peptide in genetically hypertensive rats
T. Hamakubo, M. Yoshida, K. Nakajima, T. X. Watanabe, R. Mosqueda-Garcia, and T. Inagami R1184
- 1,3,10 Local administration of EAA antagonists blocks light-induced phase shifts and *c-fos* expression in hamster SCN
M. A. Rea, B. Buckley, and L. M. Lutton R1191
- 5 Effect of somatostatin on circadian rhythms of firing and 2-deoxyglucose uptake in rat suprachiasmatic slices
T. Hamada, S. Shibata, A. Tsuneyoshi, K. Tominaga, and S. Watanabe R1199

SPECIAL COMMUNICATION

- 2,3 Modified microdialysis probe for sampling extracellular fluid and administering drugs in vivo
G. Yadid, K. Pacak, I. J. Kopin, and D. S. Goldstein R1205

RAPID COMMUNICATIONS

- 7,3,4 Antidipsogenic actions of endothelins are exerted via the endothelin-A receptor in the brain
W. K. Samson and T. C. Murphy R1212
- 3,10,12 Do the suprachiasmatic nuclei oscillate in old rats as they do in young ones?
E. Satinoff, H. Li, T. K. Tcheng, C. Liu, A. J. McArthur, M. Medanic, and M. U. Gillette R1216

No. 6. DECEMBER 1993

CATEGORY

- 2,5,9 Oral sensory stimulation in men: effects on insulin, C-peptide and catecholamines
K. L. Teff, B. E. Levin, and K. Engelman R1223
- 2,6,9 Pancreatic glucagon suppresses gustatory responsiveness to glucose
B. K. Giza, R. O. Deems, D. A. Vanderweele, and T. R. Scott R1231
- 1,6,11 Regulatory features of protein synthesis in isolated mitochondria from *Artemia* embryos
K. E. Kwast and S. C. Hand R1238
- 5,7 Impairment of osmotically stimulated AVP release in patients with primary polydipsia
A. M. Moses and B. Clayton R1247
- 2,5 Basic fibroblast growth factor may mediate proliferation in the compensatory adrenal growth response
D. P. Basile and M. A. Holzwarth R1253

- 3,4,5 Cerebral metabolism and electrocortical activity in the chronically hyperglycemic fetal lamb
T. S. Rosenkrantz, I. Knox, E. L. Zalneraitis, J. R. Raye, P. J. Porte, R. Cramer, R. Smolowski, and A. F. Philipps R1262
- 2,4 Total autonomic blockade eliminates the attenuated pressor response to angiotensin II in pregnant rats
T. Hines, M. D. Lindheimer, and W. M. Barron R1270
- 4,5 Angiotensin II: nitric oxide interaction and the distribution of blood flow
D. H. Sigmon and W. H. Beierwaltes R1276
- 5,7 Sex difference in the antidiuretic activity of vasopressin in the rat
Y.-X. Wang, R. M. Edwards, P. Nambi, E. J. Stack, M. Pullen, L. Share, J. T. Crofton, and D. P. Brooks R1284
- 1,2 Tonic descending modulation of spinal neuronal responses to activation of renal receptors
A. Standish, M. A. Vizzard, and W. S. Ammons R1291
- 3,5 Psychoneuroendocrine profile associated with hypertension or hyperactivity in spontaneously hypertensive rats
N. Castanon, E. D. Hendley, X.-M. Fan, and P. Mormède R1304
- 4,2 Coronary vasoconstrictor pathway from anterior hypothalamus includes neurons in RVLM
A. R. Goodson, T. S. LaMaster, and D. D. Gutterman R1311
- 4,7 Effect of plasma osmolality on steady-state fluid shifts in perfused cat skeletal muscle
M. T. Hamilton, D. S. Ward, and P. D. Watson R1318
- 12,7,1 Dehydration tolerance in wood frogs: a new perspective on development of amphibian freeze tolerance
T. A. Churchill and K. P. Storey R1324
- 2,5,6 Effects of glucose infusion on hormone secretion and hepatic glucose production during heavy exercise
M. M. L. Wiersma, J. Vissing, A. B. Steffens, and H. Galbo R1333
- 1,11,12 Interaction between temperature and hypoxia in the alligator
L. G. S. Branco, H. O. Pörtner, and S. C. Wood R1339
- 6 Acute exercise and skeletal muscle antioxidant and metabolic enzymes: effects of fiber type and age
J. M. Lawler, S. K. Powers, T. Visser, H. Van Dijk, M. J. Kordus, and L. L. Ji R1344
- 12 Tumor necrosis factor is not involved in exercise-induced elevation in core temperature
P. J. Rowsey, K. T. Borer, and M. J. Kluger R1351
- 2,4,11 NTS neuronal responses to arterial pressure and pressure changes in the rat
R. F. Rogers, J. F. R. Paton, and J. S. Schwaber R1355
- 2,12 Role of intrapreoptic norepinephrine in endotoxin-induced fever in guinea pigs
O. Shido, A. A. Romanovsky, A. L. Ungar, and C. M. Blatteis R1369
- 2,5,7 The stomach is the etiologic organ for immobilization-induced hypocalcemia in rats
S. Aou, J. Ma, K. Shiramine, and T. Hori R1376
- 1,11 De novo protein synthesis and protein phosphorylation during anoxia and recovery in the red-eared turtle
S. P. J. Brooks and K. B. Storey R1380
- 5,6,9 Parenteral nutrition, brain glycogen, and food intake
M. M. Meguid, J. L. Beverly, Z.-J. Yang, J. R. Gleason, R. A. Meguid, and M.-X. Yue R1387
- 3,5,9 ICI 182,780: a pure antiestrogen that affects behaviors and energy balance in rats without acting in the brain
G. N. Wade, J. D. Blaustein, J. M. Gray, and J. M. Meredith R1392
- 3,5,9 ICI 182,780 antagonizes the effects of estradiol on estrous behavior and energy balance in Syrian hamsters
G. N. Wade, J. B. Powers, J. D. Blaustein, and D. E. Green R1399
- 9,3 Role of olfaction in starch and oil preference
I. Ramirez R1404

4	Role of NO in goat basal cerebral circulation and after vasodilatation to hypercapnia or brief ischemias <i>G. Diéguez, J. L. García, N. Fernández, A. L. García-Villalón, L. Monge, and B. Gómez</i>	R1410
4,7	Biological actions of brain natriuretic peptide in thoracic inferior vena caval constriction <i>A. L. Clavell, A. J. Stingo, L. L. Aarhus, and J. C. Burnett, Jr.</i>	R1416
9,3,2	Meal initiation occurs after experimental induction of transient declines in blood glucose <i>F. J. Smith and L. A. Campfield</i>	R1423
1,4	Adaptations of myocardial β -adrenergic receptor complex in hibernating marmots <i>S. A. Morris, G. Florant, M. Saxon, G. Chen, and J. P. Bilezikian</i>	R1430
12,11,10	Synchrony between breathing and shivering in three muscles of bantam hens exposed to cold eggs <i>Ø. Tjøien</i>	R1439
1,12	Hyperthermia protects mice against the lethal effects of endotoxin <i>R. Hotchkiss, I. Nunnally, S. Lindquist, J. Taulien, G. Perdrizet, and I. Karl</i>	R1447
2,3,4	Integrating behavior and cardiovascular responses: posture and locomotion. I. Static analysis <i>O. A. Smith, C. A. Astley, F. A. Spelman, E. V. Golanov, V. G. Chalyan, D. M. Bowden, and D. J. Taylor</i>	R1458
7,5	Role of prostaglandins on the renal effects of angiotensin and interstitial pressure during volume expansion <i>J. M. Pinilla, A. Alberola, J. D. González, T. Quesada, and F. J. Salazar</i>	R1469

RAPID COMMUNICATIONS

7,5	Steady-state osmotic modulation of cationic conductance in neurons of rat supraoptic nucleus <i>S. H. R. Oliet and C. W. Bourque</i>	R1475
3,7,9	Latent learning about calcium and sodium <i>S. E. Coldwell and M. G. Tordoff</i>	R1480

<i>Subject Index to Volume 34</i>	R1485
<i>Author Index to Volume 34</i>	R1497

CORRIGENDA

Volume 264, June 1993

Volume 33, June 1993

Pages R1065–R1070: D. M. Surina, W. Langhans, R. Pauli, and C. Wenk. "Meal composition affects postprandial fatty acid oxidation." Results from a similar experiment performed after this article went to press have led the authors to conclude that the β -hydroxybutyrate values reported in this article are unreliable. They are probably skewed by high plasma triglyceride levels. The authors deeply regret this error and request that the readers disregard the related interpretations.

Volume 265, July 1993

Volume 34, July 1993

Pages R240–R245: J. D. Veldhuis, M. L. Johnson, and R. V. Gallo. "Reanalysis of the rat proestrous LH surge by deconvolution analysis." Page R244: Reference 7 was inadvertently dropped from the reference list by the printer. It should read:

7. Gallo, R. V. Pulsatile LH release during periods of low level LH secretion in the rat estrous cycle. *Biol. Reprod.* 24: 771–777, 1981.

American Journal of Physiology: Renal, Fluid and Electrolyte Physiology

No. 1. JULY 1993

EDITORIAL REVIEW

The growth hormone insulin-like growth factor axis in kidney revisited <i>M. R. Hammerman and S. B. Miller</i>	F1
<hr/>	
Vasopressin and oxytocin receptors coupled to Ca^{2+} mobilization in rat inner medullary collecting duct <i>Y. Maeda, J. S. Han, C. C. Gibson, and M. A. Knepper</i>	F15
Dual actions of vasopressin and oxytocin in regulation of water permeability in terminal collecting duct <i>J. S. Han, Y. Maeda, and M. A. Knepper</i>	F26
V_2 -like vasopressin receptor mobilizes intracellular Ca^{2+} in rat medullary collecting tubules <i>A. Champigneulle, E. Siga, G. Vassent, and M. Imbert-Teboul</i>	F35
Role of muscarinic receptors in renal response to acetylcholine <i>J. C. H. Yun, G. Oriji, J. R. Gill, Jr., B. R. Coleman, J. Peters, and H. Keiser</i>	F46
Activation of Na/H exchanger in mesangial cells is associated with translocation of PKC isoforms <i>R. Saxena, B. A. Saksa, A. P. Fields, and M. B. Ganz</i>	F53
Hepatocyte growth factor may function as a renotropic factor for regeneration in rats with acute renal injury <i>T. Igawa, K. Matsumoto, S. Kanda, Y. Saito, and T. Nakamura</i>	F61
Extrahepatic lipogenesis contributes to hyperlipidemia in the analbuminemic rat <i>J. A. Joles, K. R. Feingold, A. Van Tol, L. H. Cohen, X. Sun, H. Jones, Jr., R. W. Davies, and G. A. Kaysen</i>	F70
Ion concentration changes in renal cells during regulatory volume decrease <i>R. Rick</i>	F77
Osmotically sensitive renin release from permeabilized juxtaglomerular cells <i>B. L. Jensen and O. Skøtt</i>	F87
Effects of rC5a on the circulation of normal and split hydronephrotic rat kidneys <i>E. Gulbins, K. Schlottmann, E. W. Rauterberg, and M. Steinhausen</i>	F96
Source of kidney determines blood pressure in young renal transplanted rats <i>D. Kopf, R. Waldherr, and R. Rettig</i>	F104
Role of cardiac innervation in atrial natriuretic peptide secretion in transplanted heart recipients <i>B. Geny, F. Piquard, M. Follenius, B. Mettauer, A. Schaefer, B. Canguilhem, B. Eisenmann, and P. Haberey</i>	F112
Regulation of renal glomerular and papillary ANP receptors in rats with experimental heart failure <i>H. Yechieli, L. Kahana, A. Haramati, A. Hoffman, and J. Winaver</i>	F119
Autocrine role of endothelin in rat IMCD: inhibition of AVP-induced cAMP accumulation <i>D. E. Kohan and A. K. Hughes</i>	F126
Sodium azide protects against ischemia-induced acute renal failure in rats <i>S. L. Abrahams, R. J. Hazen, and K. M. Ayers</i>	F130
Polarity of taurine transport in cultured renal epithelial cell lines: LLC-PK ₁ and MDCK <i>D. P. Jones, L. A. Müller, and R. W. Chesney</i>	F137
Developmentally regulated kallikrein enzymatic activity and gene transcription rate in maturing rat kidneys <i>S. S. El-Dahr and I. Yosipiv</i>	F146

SPECIAL COMMUNICATION

Direct visualization of renin-cell distribution in preglomerular vascular trees
dissected from rat kidney

D. Casellas, M. Dupont, F. J. Kaskel, T. Inagami, and L. C. Moore

F151

ANNOUNCEMENTS

F157

No. 2. AUGUST 1993

EDITORIAL REVIEW

Hormonal regulation of inner medullary collecting duct sodium transport

M. L. Zeidel

F159

Sch-28080 inhibits bafilomycin-sensitive H⁺ secretion in turtle bladder independently
of luminal [K⁺]

O. F. Kohn, P. P. Mitchell, and P. R. Steinmetz

F174

Liberators of NO exert a dual effect on renin secretion from isolated mouse
renal juxtaglomerular cells

K. Schrickler and A. Kurtz

F180

Effects of adenosine and angiotensin on macula densa-stimulated renin secretion

J. N. Lorenz, H. Weihprecht, X.-R. He, O. Skøtt,

J. P. Briggs, and J. Schnermann

F187

Stimulation of basolateral Na⁺-HCO₃⁻ cotransporter by angiotensin II
in rabbit renal cortex

S. Eiam-Ong, S. A. Hilden, C. A. Johns, and N. E. Madias

F195

Vasopressin activates collecting duct urea transporters and water channels
by distinct physical processes

S. Nielsen and M. A. Knepper

F204

Kinetic model of water and urea permeability regulation by vasopressin in collecting duct

M. A. Knepper and S. Nielsen

F214

Vasopressin- and cAMP-induced changes in ultrastructure of isolated perfused inner
medullary collecting ducts

S. Nielsen, J. Muller, and M. A. Knepper

F225

Proliferative synergy of ANG II and EGF in porcine aortic vascular smooth muscle cells

S. P. Bagby, E. A. Kirk, L. H. Mitchell, M. M. O'Reilly, W. E. Holden,

P. E. Stenberg, and A. C. Bakke

F239

Vascular interactions of prostaglandins with thromboxane in kidneys
of rats developing hypertension

C. Chatziantoniou and W. J. Arendshorst

F250

Mechanisms of adaptation to proteinuria in adriamycin nephrosis

E.-J. Choi, R. C. May, J. Bailey, T. Masud, A. Dixon, and B. J. Maroni

F257

Glomerular angiotensin II receptor subtypes during development of rat kidney

G. M. Ciuffo, M. Viswanathan, A. M. Seltzer, K. Tsutsumi, and J. M. Saavedra

F264

Osmolarity-stimulated urea transport in rat terminal IMCD: role of intracellular calcium

A. G. Gillin, R. A. Star, and J. M. Sands

F272

Tubular handling of fluid and electrolytes during ovine pregnancy

S. C. Cha, G. W. Aberdeen, S. Mukaddam-Daher,

E. W. Quillen, Jr., and B. S. Nuwayhid

F278

Influence of endothelium-derived relaxing factor on renal microvessels
and pressure-dependent vasodilation

J. Hoffend, A. Cavarape, K. Endlich, and M. Steinhausen

F285

Quantitation and localization of laminin A, B1, and B2 chain RNA transcripts
in developing kidney

G. B. Vanden Heuvel and D. R. Abrahamson

F293

Vitamin D₃ accelerates PTH-dependent calcium transport in distal
convoluted tubule cells

P. A. Friedman and F. A. Gesek

F300

Endothelial modulation of renal interlobar arteries from pregnant rats <i>K. C. Griggs, K. P. Conrad, K. Mackey, and M. K. McLaughlin</i>	F309
Subcellular distribution and guanine nucleotide dependency of COOH-terminal methylation in kidney cortex <i>D. Gingras, D. Boivin, and R. Béliveau</i>	F316

SPECIAL COMMUNICATION

Thyroid hormone stimulates the Na^+ - PO_4 symporter but not the Na^+ - SO_4 symporter in renal brush border <i>K. W. Beers and T. P. Dousa</i>	F323
--	------

RAPID COMMUNICATION

Immunolocalization of the $\text{Na}^+/\text{Ca}^{2+}$ exchanger in rabbit kidney <i>R. F. Reilly, C. A. Shugrue, D. Lattanzi, and D. Biemesderfer</i>	F327
---	------

No. 3. SEPTEMBER 1993

Heat stress protein-associated cytoprotection of inner medullary collecting duct cells from rat kidney <i>S. C. Borkan, A. Emami, and J. H. Schwartz</i>	F333
Renal mouse proximal tubular cells are more susceptible than MDCK cells to chemical anoxia <i>A. M. Sheridan, J. H. Schwartz, V. M. Kroshian, A. M. Tercyak, J. Laraia, S. Masino, and W. Lieberthal</i>	F342
PDGF-induced <i>Egr-1</i> expression in rat mesangial cells is mediated through upstream serum response elements <i>H. D. Rupprecht, V. P. Sukhatme, J. Lacy, R. B. Sterzel, and D. L. Coleman</i>	F351
Insulin stimulates Na^+ , Cl^- , Ca^{2+} , and Mg^{2+} transports in TAL of mouse nephron: cross-potiation with AVP <i>B. Mandon, E. Siga, D. Chabardes, D. Firsov, N. Roinel, and C. de Rouffignac</i>	F361
Thyroid hormone stimulates Na^+ - K^+ -ATPase gene expression in cultured rat mesangial cells <i>T. Ohara, U. Ikeda, S. Muto, A. Oguchi, Y. Tsuruya, K. Yamamoto, K. Kawakami, K. Shimada, and Y. Asano</i>	F370
Oxidant-induced alterations in glucose and phosphate transport in LLC-PK ₁ cells: mechanisms of injury <i>S. P. Andreoli, J. A. McAteer, S. A. Seifert, and S. A. Kempson</i>	F377
The urease inhibitor acetohydroxamic acid is transported by the urea pathway in rat terminal IMCD <i>R. A. Star, A. G. Gillin, V. J. Parikh, and J. M. Sands</i>	F385
Continuous telemetric blood pressure monitoring and glomerular injury in the rat remnant kidney model <i>A. K. Bidani, K. A. Griffin, M. Picken, and D. M. Lansky</i>	F391
Different mechanisms of renal Na-K-ATPase regulation by protein kinases in proximal and distal nephron <i>T. Satoh, H. T. Cohen, and A. I. Katz</i>	F399
Regulation of intracellular pH in two cell populations of inner stripe of rabbit outer medullary collecting duct <i>I. D. Weiner, C. S. Wingo, and L. L. Hamm</i>	F406
An osmotically tolerant inner medullary collecting duct cell line from an SV40 transgenic mouse <i>M. I. Rauchman, S. K. Nigam, E. Delpire, and S. R. Gullans</i>	F416
Endogenous EGF as a potential renotrophic factor in ischemia-induced acute renal failure <i>R. P. Schaudies, D. Nonclercq, L. Nelson, G. Toubeau, J. Zanen, J.-A. Heuson-Stiennon, and G. Laurent</i>	F425

Gentamicin-induced mobilization of iron from renal cortical mitochondria <i>N. Ueda, B. Guidet, and S. V. Shah</i>	F435
Acute phosphate depletion inhibits the Na^+/H^+ antiporter in a cultured renal cell line <i>J. Green, O. Foellmer, C. R. Kleeman, and M. M. Basic</i>	F440
Inhibition by epinephrine of AVP- and cAMP-stimulated Na^+ and water transport in Dahl rat CCD <i>C. T. Hawk, L. H. Kudo, A. J. Rouch, and J. A. Schafer</i>	F449

LETTERS TO THE EDITOR

Aquaporins: a family of water channel proteins <i>P. Agre, S. Sasaki, and M. J. Chrispeels</i>	F461
---	------

No. 4. OCTOBER 1993

EDITORIAL REVIEW

Aquaporin CHIP: the archetypal molecular water channel <i>P. Agre, G. M. Preston, B. L. Smith, J. S. Jung, S. Raina, C. Moon, W. B. Guggino, and S. Nielsen</i>	F463
Renal renin-angiotensin system in diabetes: functional, immunohistochemical, and molecular biological correlations <i>S. Anderson, F. F. Jung, and J. R. Ingelfinger</i>	F477
Oxytocin affects apical sodium conductance in rabbit cortical collecting duct <i>T. Inoue, M. Naruse, M. Nakayama, K. Kurokawa, and T. Sato</i>	F487
A potential role for endogenous adenosine in control of human glomerular and tubular function <i>V. S. Balakrishnan, G. A. Coles, and J. D. Williams</i>	F504
Regulation of $\text{Na}^+ \cdot 3\text{HCO}_3^-$ cotransport in rabbit proximal convoluted tubule via adenosine A_1 receptor <i>M. Takeda, K. Yoshitomi, and M. Imai</i>	F511
Glutamate activation of neurons in CV-reactive areas of cat brain stem affects urinary bladder motility <i>S. Y. Chen, S. D. Wang, C. L. Cheng, J. S. Kuo, W. C. de Groat, and C. Y. Chai</i>	F520
Decreased bone carbonate content in response to metabolic, but not respiratory, acidosis <i>D. A. Bushinsky, B. C. Lam, R. Nespeca, N. E. Sessler, and M. D. Grynpas</i>	F530
Transforming growth factor- β is a renin secretagogue at picomolar concentrations <i>I. Antonipillai, T. H. Le, L. Soceneantu, and R. Horton</i>	F537
Endothelin-1 mRNA in glomerular and epithelial cells of kidney <i>M. Chen, K. Todd-Turla, W.-H. Wang, X. Cao, A. Smart, F. C. Brosius, P. D. Killen, J. A. Keiser, J. P. Briggs, and J. Schnermann</i>	F542
Phosphatidylcholine-directed phospholipase C: activation by complement C5b-9 <i>A. V. Cybulsky and M.-D. Cyr</i>	F551
Stimulation of α_2 -adrenergic receptors increases $\text{Na}^+ \cdot \text{K}^+$ -ATPase activity in distal convoluted tubule cells <i>F. A. Geseke</i>	F561
Intracellular Ca^{2+} and PKC activation do not inhibit Na^+ and water transport in rat CCD <i>A. J. Rouch, L. Chen, L. H. Kudo, P. D. Bell, B. C. Fowler, B. D. Corbitt, and J. A. Schafer</i>	F569
Effect of prostaglandin synthesis inhibition on macula densa-stimulated renin secretion <i>S. G. Greenberg, J. N. Lorenz, X.-R. He, J. B. Schnermann, and J. P. Briggs</i>	F578
Transforming growth factor- $\beta 1$ regulation of signal transduction in two renal epithelial cell lines <i>R. J. Anderson, H. T. Sponsel, R. Breckon, T. Marcell, and J. P. Hoeffler</i>	F584

RAPID COMMUNICATIONS

- Atrial natriuretic peptide initiates Ca^{2+} transients in isolated renal cortical thick ascending limb cells
L.-J. Dai and G. A. Quamme F592
- Na/Ca exchanger isoforms expressed in kidney
P. Kofuji, W. J. Lederer, and D. H. Schulze F598
- No. 5. NOVEMBER 1993**
- Conservation of structure in ATP-depleted proximal tubules: role of calcium, polyphosphoinositides, and glycine
R. Garza-Quintero, J. M. Weinberg, J. Ortega-Lopez, J. A. Davis, and M. A. Venkatachalam F605
- Luminal and basolateral uptake and receptor binding of IGF-I in rabbit renal proximal tubules
A. Flyvbjerg, S. Nielsen, M. I. Sheikh, C. Jacobsen, H. Ørskov, and E. I. Christensen F624
- Involvement of PKC- α in PDGF-mediated mitogenic signaling in human mesangial cells
G. Ghosh Choudhury, P. Biswas, G. Grandaliano, and H. E. Abboud F634
- Evidence that separate PGE₂ receptors modulate water and sodium transport in rabbit cortical collecting duct
R. L. Hébert, H. R. Jacobson, D. Fredin, and M. D. Breyer F643
- Interactions of adenosine A₁ receptor-mediated renal vasoconstriction with endogenous nitric oxide and ANG II
R. J. Barrett and D. A. Droppleman F651
- Modulation of ANG II receptor and its mRNA in normal rat by low-protein feeding
J. E. Benabe, S. Wang, J. N. Wilcox, and M. Martinez-Maldonado F660
- Endothelin B receptor mediates ET-1 effects on cAMP and PGE₂ accumulation in rat IMCD
D. E. Kohan, E. Padilla, and A. K. Hughes F670
- Segmentally distinct effects of depolarization on intracellular $[\text{Ca}^{2+}]$ in renal arterioles
P. K. Carmines, B. C. Fowler, and P. D. Bell F677
- Adrenergic regulation of renin secretion and renal hemodynamics during deliberate hypotension in humans
V. M. Zayas, J. D. Blumenfeld, B. Bading, M. McDonald, G. D. James, Y.-F. Lin, N. E. Sharrock, J. E. Sealey, and J. H. Laragh F686
- Na⁺-K⁺-ATPase that redistributes to apical membrane during ATP depletion remains functional
B. A. Molitoris F693
- H⁺-K⁺-ATPase of rat inner medullary collecting duct in primary culture
J. G. Kleinman, P. Tipnis, and R. Pscheidt F698
- 22-Oxalacitriol: dissection of 1,25(OH)₂D₃ receptor-mediated and Ca²⁺ entry-stimulating pathways
M. C. Farach-Carson, J. Abe, Y. Nishii, R. Khoury, G. C. Wright, and A. W. Norman F705
- Peritubular endothelial cell proliferation in mice during compensatory renal growth after unilateral nephrectomy
S. Kanda, H. Hisamatsu, T. Igawa, J. Eguchi, M. Taide, H. Sakai, H. Kanetake, Y. Saito, Y. Yoshitake, and K. Nishikawa F712
- Dynamic, short-term coupling between changes in arterial pressure and urine flow
J. E. Steele, P. H. Brand, P. J. Metting, and S. L. Britton F717
- Role of apical and basolateral secretion in turnover of glutathione in LLC-PK₁ cells
R. D. Scott, R. P. Hughey, and N. P. Curthoys F723
- Effects of in vivo and in vitro alkali treatment on intracellular pH regulation of OMCD_{1a} cells
M. Hayashi, M. Iyori, Y. Yamaji, and T. Saruta F729

RAPID COMMUNICATION

NHE3: a Na⁺/H⁺ exchanger isoform of renal brush border

*D. Biemesderfer, J. Pizzonia, A. Abu-Alfa, M. Exner, R. Reilly,
P. Igarashi, and P. S. Aronson*

F736

No. 6. DECEMBER 1993

EDITORIAL REVIEW

Short-term regulation of renal Na-K-ATPase activity: physiological relevance and cellular mechanisms

A. M. Bertorello and A. I. Katz

F743

Phosphonoformic acid blunts adaptive response of renal and intestinal P_i transport

M. Lohman-Adham, M. Levi, S. A. Scherer, G. T. Motock, and M. T. Totzke

F756

Carbonic anhydrase II mRNA is induced in rabbit kidney cortex during chronic metabolic acidosis

G. J. Schwartz, C. A. Winkler, B. J. Zavidowitz, and T. Bargiello

F764

Regulation of cell pH by K⁺/H⁺ antiport in renal epithelial cells

M. Graber and E. Pastoriza-Munoz

F773

Citrate and calcium effects on Tamm-Horsfall glycoprotein as a modifier of calcium oxalate crystal aggregation

B. Hess, L. Zipperle, and P. Jaeger

F784

Differential expression and cellular distribution of mRNAs encoding α - and β -isoforms of Na⁺-K⁺-ATPase in rat kidney

K. Y. Ahn, K. M. Madsen, C. C. Tisher, and B. C. Kone

F792

Disparate effects of adenosine A₁- and A₂-receptor agonists on intrarenal blood flow

Y. Agmon, D. Dinour, and M. Brezis

F802

Effect of fetal exposure to gentamicin on phosphate transport in young rat kidney

M. Lelievre-Pegorier, S. Euzet, and C. Merlet-Benichou

F807

Anion exchanger 1 in human kidney and oncocyoma differs from erythroid AE1 in its NH₂ terminus

A. Kollert-Jöns, S. Wagner, S. Hübner, H. Appelhans, and D. Drenckhahn

F813

PTH-sensitive K⁺- and voltage-dependent P_i transport by chick renal brush-border membranes

L. E. Barber, V. Coric, N. B. Clark, and J. L. Renfro

F822

Basic amino acid transport in renal papilla: microinfusion of Henle's loops and vasa recta

W. H. Dantzler and S. Silbernagl

F830

Cystine loading induces Fanconi's syndrome in rats: in vivo and vesicle studies

A. Ben-Nun, N. Bashan, R. Potashnik, R. Cohen-Luria, and A. Moran

F839

Interactions of cAMP-mediated vasodilators with angiotensin II in rat kidney during hypertension

C. Chatziantoniou, X. Ruan, and W. J. Arendshorst

F845

Angiotensin receptor sites in renal vasculature of rats developing genetic hypertension

C. Chatziantoniou and W. J. Arendshorst

F853

Structural-functional correlation in chinchilla long loop of Henle thin limbs: a novel papillary subsegment

C.-L. Chou, S. Nielsen, and M. A. Knepper

F863

H-K-ATPase in distal renal tubular acidosis: urinary tract obstruction, lithium, and amiloride

S. Eiam-Ong, E. Dafnis, M. Spohn, N. A. Kurtzman, and S. Sabatini

F875

Segmental differences in angiotensin receptor subtypes in interlobular artery of hydronephrotic rat kidneys

K. Hayashi, H. Suzuki, and T. Saruta

F881

Abnormal renal hemodynamic response to reduced renal perfusion pressure in diabetic rats: role of NO

J. P. Tolins, P. J. Shultz, L. Raij, D. M. Brown, and S. M. Mauer

F886

RAPID COMMUNICATION

Expression and characterization of a new species of 11 β -hydroxysteroid dehydrogenase in *Xenopus* oocytes

*A. Náray-Fejes-Tóth, E. Rusvai, D. L. Denault,
D. L. St. Germain, and G. Fejes-Tóth*

F896

Subject Index to Volume 34

F901

Author Index to Volume 34

F909

Advances in Physiology Education

No. 1. DECEMBER 1993

EDITORIAL

Changing attitudes about using animals

P. A. Hansen

S1

INNOVATIONS AND IDEAS

A laboratory exercise in somesthesia that is expeditious, inexpensive, and suitable for large classes

J. D. Greenspan

S2

Bovine and porcine large intestine as model epithelia in a student lab course

U. Hegel, M. Fromm, K.-M. Kreusel, and M. Wiederholt

S10

Integrated cardiovascular physiology: a laboratory exercise

R. D. Patil, S. V. Karve, and S. E. DiCarlo

S20

A simple analogue of lung mechanics

T. F. Sherman

S32

Simple, inexpensive suction electrode system for the student physiology laboratory

D. M. Easton

S35

Physiology laboratory experience for high school students

H. L. Collins and S. E. DiCarlo

S47

A PERSONAL VIEW

The life and death of laboratory teaching of medical physiology: a personal narrative. Part II.

H. W. Davenport

S55

BOOKSHELF AND COMPUTER

S72

OPPORTUNITIES FOR PROFESSIONAL DEVELOPMENT

S74

PHYSIOLOGISTS' FORUM

S77